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<211> 1802

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<220>

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<222> (1747)

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<222> (1757)

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<222> (1800)

<223> n equals a,t,g, or c

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1802

<210> 78

<211> 995

<212> DNA

<213> Homo sapiens

<400> 78

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<213> Homo sapiens

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<211> 2660

<212> DNA

<213> Homo sapiens

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<211> 1790

<212> DNA

<213> Homo sapiens

<400> 81

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<211> 1350

<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<211> 1491

<212> DNA

<213> Homo sapiens

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<222> (176)

<223> n equals a,t,g, or c

<220>

<221> misc feature
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<400> 84

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<210> 85
<211> 968
<212> DNA
<213> Homo sapiens

<400> 85

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taatataa 968

<210> 86

<211> 3068

<212> DNA

<213> Homo sapiens

<400> 86

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cagccagtat actttctgtc agccagaaac tgtattttca tctcagccta gtgacgatga 600
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aaaaaaaaa                                     3068

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<210> 87

<211> 2230

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2227)

<223> n equals a,t,g, or c

<400> 87

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cgcacncat                                     2230

```

<210> 88

<211> 1163

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (159)

<223> n equals a,t,g, or c

<400> 88

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<210> 89

<211> 1939

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (20)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (33)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1609)

<223> n equals a,t,g, or c

<400> 89

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<210> 90
<211> 2032
<212> DNA
<213> Homo sapiens

<400> 90
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<210> 91
<211> 1788
<212> DNA
<213> Homo sapiens

<400> 91
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<210> 92

<211> 495

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (402)

<223> n equals a,t,g, or c

<400> 92

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tcccagggtg agctgggtgca gtctggggct gaggtgaaga agcctgggtc ctcggtgaag 180
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tacatggagc tgagcagcct gagatctgag gacacggcca tntattactg tgcgaraagk 420
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495

<210> 93

<211> 1377

<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1371)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1376)
<223> n equals a,t,g, or c

<400> 93
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<210> 94
<211> 2819
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (82)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (83)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (84)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2816)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2817)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2818)

<223> n equals a,t,g, or c

<400> 94

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cgtaactatt gtgaaagtca agagattcta atttttccag aaaataatgt tgagtttcca 480
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<210> 95

<211> 705

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (488)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (682)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (684)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (687)

<223> n equals a,t,g, or c

<400> 95

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<210> 96

<211> 3472

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (55)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (69)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3457)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (3466)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3470)

<223> n equals a,t,g, or c

<400> 96

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gagaaagttg cctgtggtaa gttcagttgt taaagtaaaa aaattcaatc atgatggaga 420

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<210> 97
<211> 1216
<212> DNA
<213> Homo sapiens

<400> 97
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<210> 98
<211> 1186
<212> DNA
<213> Homo sapiens

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catctactgt gcaaagatca tgattaactg tcaagacact ggtagaacag aacaagcaaa 1080
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<210> 99

<211> 1120

<212> DNA

<213> Homo sapiens

<400> 99

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aggagtcaaa cttgcgggaa ttttgcagtt tatctgcagg gctgttggtt ccagcaagac 180
ccaaagctag aaaaggagga ggaagaaact gacccgatca gtgccagaag tcattgtatt 240
caaagaagaa taagcaagaa agaaaagaag gaaggaagag aggtagacag atacaagatg 300
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<210> 100

<211> 1225

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (286)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (287)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (288)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1213)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1225)
<223> n equals a,t,g, or c

<400> 100
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cacacctggc tgattttttt tatgttttag tagagacagg gtttcaacca tgttgcccag 180
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ctatttaaga tactaggatg gattgtgact gttgaggagt acttacatat cctacatttg 600
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aaaaaaaaat ttnggggggg cccgn 1225

<210> 101
<211> 1213
<212> DNA
<213> Homo sapiens

<400> 101
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tgtaaaagat gctactaaca ctggaataaa gtgtgctgga attgatgttc gtctgtgtga 180
tgttggtgag gccatccaag aagttatgga gtcctatgaa gttgaaatag atgggaagac 240
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atgttcacat tacatgaaaa attttgatgt tggacatgtg ccaataaggc ttccaagaac 480
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gctggatcgc ttgggagaaa gtaaatactt gatggctctg aagaatctgt gtgacttggg 600
cattgtagat ccatatccac cattatgtga cattaaagga tcatatacag cgcaatttga 660
acataccatc ctgttgctgc caacatgtaa agaagttgtc agcagaggag atgactatta 720

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aacttagtcc aaagccacct caacaccttt attttctgag ctttggttga aaacatgata 780
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ggtmcccaat tcg 1213

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<210> 102
<211> 1564
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<222> (1509)
<223> n equals a,t,g, or c

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<400> 102
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aaataaagat ttttgaccaa aatccagaaa atgggtatgag agaaaaataa attccagcta 180
gtttaataga tttttaaatg tcaatctgat tttagctctt agagagtgtc aactagctkg 240
taatgtttac ttttaattcc ttgttaaaat gaggcaataa tttgcaagat ttttgtatat 300
aagtgtaaat tcttcatatc tttttagatc taattcaata ttttctgact acttctgcc 360
tgtataatac catttttgtg catgcttgga tgtgacattc ataaattgta ccactatgac 420
tttatccatg taaaatagct atttattgaa ttttctttta aaagctggat ttactgggtt 480
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tgcatttgga agcaagaaaa caaccggatt tgcaatcatg tgaagaaaca ataatgcctt 600
tattatcaag tgtaagcac aattcttata acaaactgtg ataaattctt tttgtttttt 660
tttcttttgc ccattatctt tcttatgaac aaacaaaaaa ttcattggtg gcagttgcag 720
tggttgctga tatatctttt atgtacaggg aatttgaaaa ggacagtggg ttcatttaga 780
agtgtaaactg gtgctgtgat tatagcaata catttgtag ttgtacttca tctttttcat 840
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aatcattttc tttttaattt ttaaaatggt gaggtctata aatatttgag aacatcagat 1020
ctaataagagc atagtgtatc tatttaatta accaaagtct ctagtgaata tttcaacttt 1080
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cattattttg tatttgttgt actttaatac ctggtgtaca gttccagaaa taaaaatctg 1500
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tcta 1564

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<210> 103
<211> 1457

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<212> DNA

<213> Homo sapiens

<400> 103

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cacaaagcca aggctctgct ctttgaggta aaggagatct tcaggaagtc acctttcctg 180
gtaccaaagg gcagtgttag catcatggat ggatccgacg aaggcatatt agcttgggtt 240
actgtgaatt ttctgacagg tcagctgcat ggccacagac aggagactkt ggggaccttg 300
gacctagggg gagcctycac ccaaatacacg ttcctgcccc agtttgagaa aactctggaa 360
caaactccta kgggctacct cacttccttt gagatgttta acagcactta taakctctat 420
acacatagtt acttgggatt tggattgaaa gctgcaagac tagcaaccct gggagccctg 480
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gcagagtgga tctttggggg tgtgaaatac cagtatggtg scaaccaaga aggggaggtg 600
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tcctcttaaa tggtaaactg acttattgca atcccaagac ccatcaatat cagtattttt 1380
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aaaaaaaaaa ctcgtag 1457
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<210> 104

<211> 785

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (748)

<223> n equals a,t,g, or c

<400> 104

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ggaggtcaga acccaaggaa gggagtgaga cctccactcc cagtggggga cctggccacc 480
catccttggg gacctgagaa agcgtacttc accttgggtt gaaggctggg tggggccaga 540
gggaccagtg ccctcctcag tgcttagggg cagagccacc tgcagcaatg gtatctgcat 600
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attagcccct ctccaccttc tttctcccg c tgaatcattt ccctcaaagc ccaagagctg 660
tcactgcttc tttctccctg ggaagaatgc gtggactctg cctgggtgata gactgaagcc 720
agaacagtgc cacaccctcg ccttaatncc ttgctagggtg tctcagattt atgagacttc 780
ttagt 785

<210> 105

<211> 921

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (40)

<223> n equals a,t,g, or c

<400> 105

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atattatttcg gtaataagga actttgcatg tgtaattact taaggatatg aagatgagat 180
tgtcctggat tattaagcac cctaaatgcc atgtacaggt gtccttccaa gagaacagaa 240
gaggagacac agacacagag caggaggaca cgtggagaca gaggcagact ggagtgatgc 300
ggccacaagc ccagggacac ctggagcccc caggagctgg gagaggcagg aaggatcctc 360
ccctagagcc tccaggggga actggaggat gcgtaagaga cccagaactt ccacagaagg 420
aggaaaatta acctcctgct tctctagact gttccaaagc tgaacctag aaagcaaagc 480
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gttgcaagca ggcaaaatgc gtcgattttt tttttttgtc agtatgatga tttttgcagc 780
cacttggtcta tggagagcag ccgacacccc ctcttacagc cgtggatgtt tcctggaagc 840
tgactcagtc tgttctactgg ttgagctttg agtgaaaaga taacacaggt ctattgactc 900
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<210> 106

<211> 592

<212> DNA

<213> Homo sapiens

<400> 106

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aacgtcgggg gtgagttcca caccaccacc ctgggtaccc tgaggaagtt tccgggctca 180
aagctggcag agatgttctc tagcttagcc aaggcctcca cggacgcgga gggccgcttc 240
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tttttgctgc agtgccgggc tacagcgaga acctgggagc tcatgggtgcg cctggcacgt 480
gcagaagcca taacagcacg gaaktccagg tgyttgtgtg cctgggtgaaa cttgagggag 540
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<210> 107

<211> 2248

<212> DNA

<213> Homo sapiens

<400> 107

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<210> 108

<211> 785

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (769)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (771)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (785)

<223> n equals a,t,g, or c

<400> 108

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tttgtttacc cgataaggaa ggtcagcatt caaagtcaag aagcgccatt tatcttccc 180
tgcgctctac aaatagtcc gtgagaaaga tggccgggaa ctcgatcctg ctggctgctg 240
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tgatgaata tctggacctc aatattgcca agaaactgag gcggcaattc taactttttc 660
tcttcccttt aatgcttgca gaagctgttc ccaccatgaa ggtaatatgg tatcatttgt 720
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ccaan 785
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<210> 109

<211> 611

<212> DNA

<213> Homo sapiens

<400> 109

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<213> Homo sapiens

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<211> 4065
<212> DNA
<213> Homo sapiens

<400> 111

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<211> 1492

<212> DNA

<213> Homo sapiens

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<222> (1491)

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<400> 112

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<210> 113

<211> 1482

<212> DNA

<213> Homo sapiens

<400> 113

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<211> 3731

<212> DNA

<213> Homo sapiens

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<210> 115

<211> 1315

<212> DNA

<213> Homo sapiens

<400> 115

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<210> 116

<211> 1320

<212> DNA

<213> Homo sapiens

<400> 116

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<210> 117

<211> 2025

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (1916)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1944)

<223> n equals a,t,g, or c

<400> 117

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<210> 118

<211> 1295

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (1286)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1292)

<223> n equals a,t,g, or c

<400> 118

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<210> 119

<211> 1257

<212> DNA

<213> Homo sapiens

<400> 119

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tataactata aggttgtagt attgtctgtt taaaagataa gacagttgat tcaatgtgga 240
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atttagaaat atgaaactgc ttaacaggta tgagcaggta tagcaagtgt ttgctaaagt 360
tgtagttcag agctgaatta cttcaggaaa ctagggacca actttttggt ttaattccga 420
tctttaaaaa gtaagaatgt gtactcactc cagaacacag aagctcttcc aaggaccttg 480
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taccctaaat gtggtgggaa cagacttggt atctgttgat gttgacagtg tcttttttaa 600
cctatgtcct gcatagtttt gttaggttta cagggggagg tggatggcca taaaaccagt 660
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 <211> 397
 <212> DNA
 <213> Homo sapiens

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 <222> (325)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (378)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (395)
 <223> n equals a,t,g, or c

<400> 120
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 cttggcatga ccacatgacc tgcagagccc ctgttataga actcattttt atattttcct 180
 tagtataaca gttaatatata tatgtcattt ttgttaatag tgtctttttg tcattttact 240
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 ataactaaca accagaantc tccgtgtact ccctncc 397

<210> 121
 <211> 876
 <212> DNA
 <213> Homo sapiens

<400> 121
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<210> 122
<211> 1278
<212> DNA
<213> Homo sapiens

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<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<223> n equals a,t,g, or c

<220>
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<222> (149)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (1228)
<223> n equals a,t,g, or c

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<222> (1231)
<223> n equals a,t,g, or c

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<222> (1262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1269)
<223> n equals a,t,g, or c

<400> 122
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<210> 123

<211> 3115

<212> DNA

<213> Homo sapiens

<400> 123

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<211> 379

<212> DNA

<213> Homo sapiens

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<222> (366)

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<400> 124

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<210> 125
<211> 1267
<212> DNA
<213> Homo sapiens

<400> 125
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<210> 126
<211> 841
<212> DNA
<213> Homo sapiens

<400> 126
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ttaataaaat gccattttgt caagaaaaaa aaaaaaaaaa aaagggcggc cgctctagag 780
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g 841

<210> 127
 <211> 1172
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (119)
 <223> n equals a,t,g, or c

<400> 127
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 ttctgaagct gcttcctctt ataaaatagc ttttgccgaa acatagtttt ttttttagcag 180
 atcccaaaat ataatgaagg ggatgggtggg atatttgtgt ctgtgttctt ataatatatt 240
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 tgtttccagt ttgatgttg tgggtggttg agtgagtga ttttcatgtg gctgggtggg 360
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 gtggatgggt ctacccttct tgccttctgt ttgggaccca gctgggtgtc tttgggttgc 480
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 ctagaggcgt cactgtatgt agttcatggc tactgtactg acagcgagag catgtccatc 660
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<210> 128
 <211> 891
 <212> DNA
 <213> Homo sapiens

<400> 128
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 tcgttgtgac ccaacctgga gtcgggtccc gtccggcccc ccagaactcc aactggcaga 180
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<210> 129

<211> 2461

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1164)

<223> n equals a,t,g, or c

<400> 129

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cttgagtata caagtccac actcattacc tttcagtggt gacccatcac ccactacaat 420
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ctctgtatit ggacctgcag atgttggtga cagaaccgat gcatggcagg gtcaggaagc 540
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<210> 130
<211> 2197
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<222> (1381)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (2194)
<223> n equals a,t,g, or c

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tggaatatga caggaaaaaa gaagaacaat aaaagaaaaa gaagcaagtc caagcagcat 420
caaggcaaca aagatgctaa agacaagggtg gagaggcctg aggcagggcc cctgcagccg 480
cagccaccac agattcaaaa cgccccatg aatggctgcg agaaggacag ctctgccaca 540
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaanaaa 2197

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<210> 131

<211> 464

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (397)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (405)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (420)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (449)

<223> n equals a,t,g, or c

<400> 131

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gcgttggaac ggttggttac taccaattta tggaccgcct attaatggc atggttacag 180
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gtacgcggag agttgtttac caaagatgcc ttacaacct gcgctgaaag ggggctgctg 360
cttatgccaa ttatgtttta aggttggtt ctggtanttt tgcnaatgg ttttgatttn 420
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<210> 132

<211> 1950

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1941)

<223> n equals a,t,g, or c

<400> 132

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tgaggtcagg atttctcaaa ctgattcctt tctttgcata tgagtatttg aaaataaata 1860
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aaaaaaaaa aaaaaaaaaa naaaaaaaaa 1950
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<210> 133

<211> 2093

<212> DNA

<213> Homo sapiens

<400> 133

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gctgttcctg tgaatctcca aattttgtac cttgttctaa gctaataatat agcaattaaa 2040
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<210> 134

<211> 729

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (646)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (665)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (725)

<223> n equals a,t,g, or c

<400> 134

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caagaccgtc ctcatgaatc attgctccgg gtcctgcggg acatttgtca tgtamtcggc 600
caaggccagg ccctggacca cagcttgctc ctgctgcaaa gaaganaaaa ccagccagcg 660
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gccantgcc                                     729
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<210> 135

<211> 1189

<212> DNA

<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1160)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1175)

<223> n equals a,t,g, or c

<400> 135

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<210> 136

<211> 1466

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1291)

<223> n equals a,t,g, or c

<400> 136

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<210> 137

<211> 140

<212> DNA

<213> Homo sapiens

<400> 137

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actaaacat ccaatcggtg 140

<210> 138

<211> 4142

<212> DNA

<213> Homo sapiens

<400> 138

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tt 4142

<210> 139

<211> 1747

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1659)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1704)

<223> n equals a,t,g, or c

<400> 139

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<210> 140

<211> 1240

<212> DNA

<213> Homo sapiens

<400> 140

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<210> 141
<211> 671
<212> DNA
<213> Homo sapiens

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<400> 141
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<211> 3265
<212> DNA
<213> Homo sapiens

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<222> (3234)
<223> n equals a,t,g, or c

<220>
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<222> (3256)

<223> n equals a,t,g, or c

<400> 142

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tgcacactag cctctgacaa ccatgaagca aaaatccgtt acatgtgggt ctgaacttgt 3180
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<210> 143

<211> 765

<212> DNA

<213> Homo sapiens

<400> 143

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gcccacgcgt ccgcccacgc gtccgcggac gcgtgggggg tgacattgag ctcaccagec 60
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tcagegggtct gcgcctggca gcaggaagct gtttttaggtt atgtgaaaga gatgtttcct 180
catctctaag gcttaccaga agctctgatt tgaagagaat aaatggattt tgcacaaaac 240
cacaggaaaag tcccggaagt ccatcccgca cttacaacag agtgccttta cacaaacctt 300
cggattggca gaaaaagatc ctcatatggt caggctcgctt caaaaaggaa gatgaaatcc 360
cagagactgt ctgcttggag atgcttgatg ctgcaaagaa caagatgcga gtgaagatca 420
gctatctaag gattgccctg acggtggtag gatgcatctt catgggttatt gagggcaaga 480
aggctgccc aagacacgag actttaacaa gcttgaactt agaaaagaaa gctcgtctga 540
aagaggaagc agctatgaag gccaaaacag agtagcagag gtatccgtgt tggctggatt 600
ttgaaaatcc aggaattatg ttataacgtg cctgtattaa aaaggatgtg gtatgaggat 660
ccatttcata aagtatgatt tgcccaaac tgtaccattt ccgtatttct gctgtagaag 720
tagaaataaa ttttcttaaa taaaaaaaaa aaaaaaaaaa tcgag 765

```

<210> 144

<211> 1694

<212> DNA

<213> Homo sapiens

<400> 144

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gcccacgcgt ccgggttgct ctattattat tattattatt atttgccttt ttttaatcac 60
catttatttg tgtaatcttt ctccattgat tggtgtgat tcttataata tctgaactac 120
cccataaaat aattctctga cttaaaggca tttagctttt gcttatcgtt tttacatcct 180
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cccacttaaa cattttccag ttttgagatt cctcttcgtg tttgtgggtg cttccccctg 480
ttaccccttc tgcccttttt ctctgactat ggtaatttgg tctttaggct catatcagtc 540
tccccgagac attctgcagt cattatcacc tttttgggtg gattttattt tgttttattt 600
tgtttttttt aaaaaataaa ctttttaaca ttgggtgcata tttgcttggg atagagcttg 660
tgtaatttac caatcgtatt gattgtaagt gattgtgcc tgagaggta tatttaacaa 720
gacaaaaata atcttggtta ataaaggagc ccatgagatt tgagtcagg tgaagtga 780
atcacttaca cttttggata gaatttatac tcctgctctt ataaatcagt ggtagactta 840
ccatttttta aagttttctt gcattttttt gtttttttat tgccacagct ccctattctt 900
tcttgctgc ctccaccccc ctgttcagga aaaaaaaaaa ttgagcctta aagtgcagc 960
tgatttttta attgctgaat tttgtgaaat tttacttttt ccaagtgttt ccaacttta 1020

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ctgagagttc ttttggaagta ggaaaaagaa ccctatttga aatagaccgt ttttctcttg 1200
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cagataaaat gatttatattt aacaagtaga aggagggtgat tcaccttttg gattgtaaat 1560
atatgaaaat gtctacaagg tctttatctg ctttctgtca gcatttatat taaatgataa 1620
attaatgagg aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1680
aaaaaagggc ggcc 1694

<210> 145

<211> 823

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (182)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (731)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (743)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (749)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (755)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (817)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (821)

<223> n equals a,t,g, or c

<400> 145

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ttgcagcagc tctttcctcc tctyttggat gcccttcgag agcccagggt acgacggatt 180
tnctgccagc ctgcagatcc tgcgcctgtc gccctgcagg tctctgtacc cttcagacca 240
ccttgctctg gttcctgggc agagctcagc agtacttggc agcatgggac ccagcttcct 300
tcctgtcctt gatccaaaag gacttacctc ctctgttgca tgaggcagaa gctttgtata 360
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aatgtcataa acaagccatg caagggttca agctctacat gccacggggg cggtagctggc 540
ggcttcgtct ctgtcctgaa cctcccagtg ctcttagtga gtatgctggg ttagtggtcc 600
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tgcccttggg caggctctga cggscatcgt ggggtgcctgg cttgaccaca ttcttacc 720
tgggattcgg nttcaacctg canggagcnc tkcancttaa acaagacttt ggaatggtca 780
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<210> 146

<211> 1134

<212> DNA

<213> Homo sapiens

<400> 146

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gatgactctt caaggattag aatatttaca tcaacattgg atcctacata gggatctgaa 180
accaaacaac ttgttgctag atgaaaatgg agttctaaaa ctggcagatt ttggcctggc 240
caaattctttt gggagcccca atagagctta tacacatcag gttgtaacca ggtggtatcg 300
ggcccccgag ttactatttg gagctaggat gtatggtgta ggtgtggaca tgtgggctgt 360
tggtctgtata ttagcagagt tacttctaag ggttcctttt ttgccaggag attcagacct 420
tgatcagcta acaagaatat ttgaaacttt gggcacacca actgaggaac agtggccgga 480
catgtgtagt cttccagatt atgtgacatt taagagtttc cctggaatac ctttgcata 540
catcttcagt gcagcaggag acgacttact agatctcata caaggcttat tcttatttaa 600
tccatgtgct cgaattacgg ccacacaggc actgaaaatg aagtatttca gtaatgcgcc 660
agggccaaca cctggatgtc agctgccaag accaaactgt ccagtggaaa ccttaaagga 720
gcaatcaaatt ccagcttttg caataaaaag gaaaagaaca gaggccttag aacaaggagg 780
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gtttgtaaat attctacaca tgtaaaatat gtaaaactat gggttatttt tattaatgt 960
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caatactctt gaatgtagaa ttgaaaatgc attagggaaa acttaataaa aattattacc 1080
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<210> 147

<211> 1486

<212> DNA

<213> Homo sapiens

<400> 147

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atcctactat gagcaagaag aaaaagaaga agaagaagcc ttttatgtta gatgaggaag 240
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ttgacatact cattgcctac tttaacacct gtcagagaaa cgtgatattg ggtaaggagg 1380
tgctttttta aaatcgttca tagacttctg taaaatgcaa gataaattaa agttattata 1440
acagtgataa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaa 1486

<210> 148

<211> 153

<212> DNA

<213> Homo sapiens

<400> 148

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ggaccctgta ctttgctgac acctacctga aggagtgccca aggtgagcg gccaggcctc 120
cagaacatgg agctggcgcc tgtgcagcgc aag 153

<210> 149

<211> 882

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (870)

<223> n equals a,t,g, or c

<400> 149

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acgaagggca aagntgggtg caccncggtg cgccgtctag actagtggat cccggctcag 60
gattcgcacg tgctcctcctg tctcagtatg gcgctgtcct gggttcttac agtcctgagc 120
ctcctacctc tgctggaagc ccagatccca ttgtgtgcca acctagtacc ggtgcccata 180
accaacgcca ccctggaccr gatcactggc aagtggtttt atatcgcatc ggccttttga 240
aacgaggagt acaataagtc ggttcaggag atccaagcaa ctttctttta cttcaccccc 300
aacaagacag aggacacgat ctttctcaga gaggaccaga cccgacagga ccagtgcata 360
tataacacca cctacctgaa tgtccagcgg gaaaatggga ccatctccag atacgtggga 420
ggccaagagc atttcgctca cttgctgata ctacgggaca ccaagacctc catgcttgct 480
tttgacgtga acgatgagaa gaactggggg ctgtctgtct atgctgacaa gccagagacg 540
accaaggagc aactgggaga gttctacgaa gctctcgact gcttgcgcat tcccaagtca 600
gatgtcgtgt acaccgattg gaaaaaggat aagtgtgagc cactggagaa gcagcacgag 660
aaggagagga aacaggagga gggggaatcc tagcaggaca cagccttgga tcaggacaga 720
gacttggggc catcctgccc ctccaacccg acatgtgtac ctacgctttt tccctcactt 780
gcatcaataa agcttctgtg ttggaacag ctaaaaaaaa aaaaaaaaaa aaaaaaaaaa 840
actcgagggg gggcccgkaa cccaatcgcn tgatattatt ag 882
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<210> 150

<211> 1508

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (126)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (155)

<223> n equals a,t,g, or c

<400> 150

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ctaaggaggg gtgaaccggc ccaggctcga aacggagcag gtcaaaactc ccgtgctgag 60
gtgggaggat cgcttgagcc caggagtctt gggctgtagt gcgctatgcc gatcgggtgt 120
ccgcantcta gccttggaac cagtgaaga ctgnttcaaa aacagcaaca garagcagga 180
cgtgagactt ctacctgctc actcagaatc atttctgcac caacctatggc cactgttggtg 240
gagctcagta ccaaagccaa gatgccatt gtgggcctgg gcaattggaa gtctcctctc 300
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gcctatgtct atcagaatga acatgaagtg ggggaagcca tccaagagaa gatccaagag 420
aaggctgtga agcgggagga cctgttcata gtcagcaagt tgtggccac tttctttgag 480
agaccccttg tgaggaaagc ctttgagaag accctcaagg acctgaagct gagctatctg 540
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gatgataaag gtaatgcat cggtggaaaa gcaacgttct tggatgcctg ggaggccatg 660
gaggagctgg tggatgaggg gctgggtgaaa gcccttgagg tctccaattt cagccacttc 720
cagatcgaga agctcttgaa caaacctgga ctgaaatata aaccagtgc taaccaggtt 780
gagtgtcacc catacctcac gcaggagaaa ctgatccagt actgccactc caagggcata 840
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accgttacgg cctacagccc cctgggctct ccggatagac cttgggccaa gccagaagac 900
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aataaggaaa tgacaatttt ttccacttat ctgatcagaa caaatgttta ttaagcatca 1440
gaaactctgc caacactgag gatgtaaaga tcaataaaaa aaataataat cataaaaaaa 1500
aaaaaaaaa                                     1508

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<210> 151
<211> 1232
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (1213)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (1217)
<223> n equals a,t,g, or c

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<400> 151
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tgtgaggtgc agctgccaca gagggccccc accagggaaa tgtctagtgt ctagtgatc 120
caggccacag gagagagtgc cttgtggagc gctgggagca ggacctgacc accaccagga 180
ctccagcctg ggtgacaggg tgaacgccat ctcaaaaaat aaaaattaaa aaataaaaaa 240
agaacctgga tctcaattta atttttcata ttcttgcaat gaaatggact tgaggaagct 300
aagatcatag ctagaaatac agataattcc acagcacatc tctagcaaat ttagcctatt 360
cctattctct agcctattcc ttaccacctg taatcttgac catatacctt ggagttgaat 420
attgttttca tactgctgtg gtttgaatgt tccctccaac actcatgttg agacttaatc 480
cctaattgtg caatactgaa aggtggggcc tttgagatgt gattggatcg taaggctgtg 540
ccttcattca tgggttaatg gattaatggg ttatcacagg aatgggactg gtggctttat 600
aagaagagga aaagagaact gagctagcat gccagccca cagagagcct ccactagagt 660
gatgctaagt ggaaatgtga ggtgcagctg ccacagaggg cccaccag ggaaatgtct 720

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agtgtctagt ggatccaggc cacaggagag agtgccttgt ggagcgctgg gagcaggacc 780
tgaccaccac caggacccca gaactgtgga gtcagtggca gcatgcagcg ccccttggg 840
aaagctttag gcaccagcct gcaaccatt cgagcagcca cgtaggctgc acccagcaaa 900
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<210> 152

<211> 999

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (917)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (951)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (995)

<223> n equals a,t,g, or c

<400> 152

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gttgagctgg tccccaccc ggagacggcc cctacgacag tggacagaac ccacgccctg 420
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aaccgcctgc aatatgcaat catcagcgag gcctggcggc tagtggagga aggaatcgtg 540
tctcctagtg acctggacct tgtcatgtca gaagggttgg gcatgcggta tgcattcatt 600
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<210> 153

<211> 1212

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (794)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1047)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1146)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1176)
<223> n equals a,t,g, or c

<400> 153

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<210> 154
<211> 2361
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature

<222> (92)

<223> n equals a,t,g, or c

<400> 154

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acatcttcaa gccatcctgt gtgcccctga tgcgatgcgg gggctgctgc aatgacgagg 240
gcctggagtg tgtgcccact gaggagtcca acatcaccat gcagattatg cggatcaaac 300
ctcaccaagg ccagcacata ggagagatga gcttcctaca gcacaacaaa tgtgaatgca 360
gaccaaagaa agatagagca agacaagaaa aatgtgacaa gccgaggcgg tgagccgkgc 420
aggaggaagg agcctccctc agggtttcgg gaaccagatc tctcaccagg aaagactgat 480
acagaacgat cgatacagaa accacgctgc cgccaccaca ccatcaccat cgacagaaca 540
gtccttaatc cagaaacctg aaatgaagga agaggagact ctgcgcagag cactttgggt 600
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gcagtttttc gagatattcc gtagtacata tttattttta aacaacgaca aagaaatata 2280
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aaaaaaaaaa aaaaaggggg g                                     2361

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<210> 155

<211> 1831

<212> DNA

<213> Homo sapiens

<400> 155

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tgtgaccag tatgctactg ctaggcataa ttatcaaaaa ttcatttttc tcattaaata 240
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cacagtggat ctggggcctc tgatactttg yttcckaaaa cagccccag ttttcggctt 480
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gtggaacttt gggagagggg acagttgttg g 1831
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<210> 156

<211> 1186

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1045)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1078)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1118)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1134)

<223> n equals a,t,g, or c

<400> 156

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gttccggggc gcgaccctga ccctgcagcg taccgggaag cgaaaccggc cggatggggc 180
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cagatggcaa catgccaggg accaggcctg ccagccggcg gatgcagcag gctggagctg 420
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aattaaatth aaacagggaa agccggggccc ccaactgnth ccttgggggt cttnagggga 1140
gaacttttaa cgggaccttt ttccctaact ttttccttct ttaaaa 1186
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<210> 157

<211> 1448

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (456)

<223> n equals a,t,g, or c

<400> 157

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gtcaaggagt actccaagac agagacagag gcgccttggg tgggtggaagg cagccgccct 180
cccgaagggt ggccccacg tggggaggtg gagttccgga attattctgt gcgctaccgg 240
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catgacctgc gctctcagct gaccatcatc ccgcangacc ccacctggt ctcggggacc 480
ctgcgcatga acctggaccc ctctggcagc tactcagagg aggacatttg gtgggctttg 540
gagctgtccc acctgcacac gtttgtgagc tcccagccgg cagcctggga cttccagtgc 600
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tcagagggcg gggagaatct cagcgtgggc cagaggcagc tcgtgtgcct ggcccagacc 660
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aaaaaaaaa 1448

<210> 158
<211> 1004
<212> DNA
<213> Homo sapiens

<400> 158
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cttctacat aaattaataa agtctgtcta tatttaaggc ttctgggagt agttttgtct 180
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aaagatccta tttaaagggc taatttggtg ttgaaagcat gctgatataa agtccagtat 360
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tttgaatctg cataatgttc actgccaac tccttctcat ttaatgctta tggccttcac 960
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<210> 159
<211> 1509
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1420)
<223> n equals a,t,g, or c

<400> 159

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gcaaggcctg ttgatgcagc catgggcgtg gctacagctt gcagagaact ccctcttggc 180
caagggtttt atcaccaagc agggctatgc cttgttggtt tcagatcttc aacagggtgtg 240
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cactgctcct cctgcagctt tcctctgtca tttggataat ctccctcgcc cattgttgaa 360
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tctgggatg 1509

<210> 160

<211> 2160

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (470)

<223> n equals a,t,g, or c

<400> 160

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ctttatccac agtctcgggg gctgggtcca aagtaaagcc agcttctcct ctcccagggc 180
ggaaacagca tttgccttct gagagaagag actagcaaaa agctgcagag aggattcggc 240
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<211> 3609

<212> DNA

<213> Homo sapiens

<400> 161

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<210> 162

<211> 1603

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1600)

<223> n equals a,t,g, or c

<400> 162

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<210> 163

<211> 853

<212> DNA

<213> Homo sapiens

<400> 163

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<210> 164
<211> 1917
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1433)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1856)
<223> n equals a,t,g, or c

<400> 164
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<210> 165
<211> 2420

<212> DNA

<213> Homo sapiens

<400> 165

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<210> 166

<211> 2061

<212> DNA

<213> Homo sapiens

<400> 166

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<210> 167

<211> 2567

<212> DNA

<213> Homo sapiens

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<222> (16)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (55)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (74)

<223> n equals a,t,g, or c

<400> 167

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<210> 168

<211> 2324

<212> DNA

<213> Homo sapiens

<400> 168

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<210> 169

<211> 1784

<212> DNA

<213> Homo sapiens

<220>
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<222> (200)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1759)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1778)
<223> n equals a,t,g, or c

<400> 169
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<210> 170
<211> 1296
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1276)
<223> n equals a,t,g, or c

<400> 170
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<210> 171
<211> 1897
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (952)
<223> n equals a,t,g, or c

<400> 171

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<210> 172

<211> 1723

<212> DNA

<213> Homo sapiens

<400> 172

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aattcagaat tctaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa 1723

<210> 173

<211> 1416

<212> DNA

<213> Homo sapiens

<400> 173

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<210> 174

<211> 1956

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<223> n equals a,t,g, or c

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<222> (6)
<223> n equals a,t,g, or c

<220>
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<222> (24)
<223> n equals a,t,g, or c

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aacttcacat catcagcttg cagtttgtaa ttgactaaag cattccagtg tcctctttct 1860
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<210> 175

<211> 1689

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1688)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1689)

<223> n equals a,t,g, or c

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1689

<210> 176

<211> 1016

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (895)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (928)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (970)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (992)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1001)

<223> n equals a,t,g, or c

<400> 176

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<210> 177
<211> 1364
<212> DNA
<213> Homo sapiens

<400> 177

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gttggtgaaa agatttctta tggaacagaa atatcccttt tgattaatat cacaatctcg 300
taaattgaga aaacaaawaa tatatactac tggagcattc atgtatagtt ggagattatg 360
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<210> 178
<211> 740
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (171)

<223> n equals a,t,g, or c

<400> 178

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aacttacttt gaattagccc cttattccaa agctgcctcc tgaaaggasg cttcctaaaa 240
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tgccatgaag gaaactagct ccgcagacgt ttactaacc acagcagacc ccttccttga 360
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<210> 179

<211> 1410

<212> DNA

<213> Homo sapiens

<400> 179

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<210> 180

<211> 1493

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1328)

<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (1352)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1406)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1436)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1484)
<223> n equals a,t,g, or c

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<210> 181
<211> 2040
<212> DNA
<213> Homo sapiens

<400> 181

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gcttctttga aggagtaaat gtgttttgtt cctagggcca gaggagcttg tcttccttgt 1860
cctctgttcc caccctcccc tgaacagaaac ccagcccata agagacattc tcagatgaaa 1920
ctctgttttc ttgccccagt caggctcaag ccctgtggtt gtaggaataa agcctgtgat 1980
ctcaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaactcgaa 2040
```

<210> 182
<211> 969
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (128)

<223> n equals a,t,g, or c

<400> 182

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agacagttct nattctcccc agggcagggg gcagggttatg accaggacta aggtcccaaa 60
gtccccaccc tgaacccctc cctgctgttc caccgctccc tcatatccac ccctgccccca 120
tctcctgnac tttggtcacg ctagcatctt ctgctgatcc tgaaattgta ccagcggcaa 180
gatgtggcct ggaaggggac tttaagttct ccacaactgc cagcaatcct tccaccaggc 240
aaaacacatc atctaaggaa aagaagttag gtttgcttag ggcgtggcag cttcggataa 300
acgcaggact ccgcctggca gcccgatttc tcccgaacc tctgctcagc ctggtgaacc 360
acacaggcca gcgctctgac atgcagaagg tgaccctggg cctgcttggt ttctggcag 420
gctttcctgt cctggacgcc aatgacctag aagataaaaa cagtcctttc tactatgact 480
ggcacagcct ccagggtggc gggctcatct gcgctggggg tctgtgcgcc atgggcatca 540
tcctcgtcat gagtgagtgg aggagctcgg gggagcaggc gggccggggc tggggctccc 600
ctccctgac cactcagctc tcccacaacag gtgcaaaatg caaatgcaag tttggccaga 660
agtccggtca ccattccagg gagactccac ctctcatcac cccaggctca gcccaaagct 720
gatgaggaca gaccagctga aattgggtgg aggaccgttc tctgtcccca ggtcctgtct 780
ctgcacagaa acttgaactc caggatggaa ttcttcctcc tctgctggga ctcttttgca 840
tggcagggcc tcctctcacc tctcgcaaga gggctctctt gttcaatttt tttwatcta 900
aaatgattgt gcctctgccc aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 960
aaaaaaaga                                     969
```

<210> 183

<211> 1452

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (18)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1430)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1441)

<223> n equals a,t,g, or c

<400> 183

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gtcgaccac gcgtccncc acggtccggt ggggagaagc cgggaggact gggtgccct 60
```

```

gcagggatcg gaagccggtt ggggtgtgag aggttttctc gctctagga gattcttcaa 120
gcaatcacta tgtcaacaga cacaggtgtt tcccttcctt catatgagga agatcaggga 180
tcaaaactca ttcgaaaagc taaagaggca ccattcgtac ccgttggaat agcgggtttt 240
gcagcaattg ttgcatatgg attatataaa ctgaagagca ggggaaatac taaaatgtcc 300
attcatctga tccacatgcg tgtggcagcc caaggctttg ttgtaggagc aatgactgtt 360
ggtatgggct attccatgta tcgggaattc tgggcaaaac ctaagcctta gaagaagaga 420
tgctgtcttg gtcttgttgg aggagcttgc tttagttaga tgtcttatta ttaaagttac 480
ctattattgt tggaaataaa ctaatttgta tgggtttaga tggtaacatg gcattttgaa 540
tattggcttc ctttcttgca ggcttgattt gcttggtgac cgaattacta gtgactagtt 600
tactaactag gtcattcaag gaagtcaagt taacttaaac atgtcaccta aatgcacttg 660
atggtgttga aatgtccacc ttcttaaatt ttaagatga acttagttct aaagaagata 720
acaggccaat cctgaaggta ctccctgttt gctgcagaat gtcagatatt ttggatgttg 780
cataagaatc ctatttgccc cagttaattc aacttttgtc tgctgtttt gtggactggc 840
tggctctgtt agaactctgt ccaaaaagtg catggaatat aacttgtaaa gcttcccaca 900
attgacaata tatatgcatg tgtttaaacc aaatccagaa agcttaaaca atagagctgc 960
ataatagtat ttattaaaga atcacaactg taaacatgag aataacttaa ggattctagt 1020
ttaagttttt gtaattgcaa attatatttt tgctgtgat atattagaat aattttttaa 1080
tgtcatcttg aaatagaaat atgtatttta agcactcacg caaaggtaaa tgaacacgtt 1140
ttaaatgtgt gtgttgctaa tttttccat aagaattgta aacattgaac tgaacaaatt 1200
acctataatg gatttggtta atgacttatg agcaagctgg tttggccaga cagtataccc 1260
aaacttttat ataataata gaaggctatc acacttggtg aattctcttg tctaactctga 1320
atitgcattc catggtgtta acatggtata tgtattgtta ttaaagtaag tgacccatgt 1380
caaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1440
naaaaaaaaa aa
1452

```

<210> 184

<211> 2119

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2090)

<223> n equals a,t,g, or c

<400> 184

```

aaattgaaac ttctaataaa aatgatatga ctatagatat attacatgct gatggtgaaa 60
gacctaatgt tctagaaaac ctagacaact caaaggaaaa gactgttgga tcagaagcag 120
caaaaactga agatacagtt ctctgcagca gtgatacaga tgaggagtgt ttaatcattk 180
wtacagaatg taaaaataat agtgatggaa agacagctgt tgtgggttct aacttaagtt 240
ccagaccagc tagtccaaat tcttcctcag gacaggcttc tgtaggaaac cagactaata 300
ctgcttgtwg tcctgaagag tcatgtgttt taaaaaaacc tatcaaacga gtatataaaa 360
aatttgatcc agttggagag attttaaaaa tgcaggatga gctcttwaag ccaattttcca 420
gaaaagtaac agaattgccc ttaatgaatt tagaaaattc taaacagcct tctgtttctg 480
agcaattgtc tggtccttca gactcctcta gttggccgaa atctggatgg ccttctgcat 540
ttcagaagcc aaaaggacga ttgccatag aacttcagga ctatgttgaa gatacatcgg 600
aatacctagc tcctcaggaa ggaaattttg tttataagtt atttagcctg caagacctgt 660
tgttactcgt acgctgcagt gtccagagga tagagacaag accacgttct aaaaaacgga 720
agawatyag aagacaattt ccagtttatg tactaccaaa agtagagtat caagcttggt 780
atggagtga agctctgact gaaagtgaac tttgtcgctt atggactgaa agtttattgc 840
attccaacag ctcattttat gttgggcata tcgatgcatt tacttcaaaa ctttttctac 900

```

```

tggaagaaat tacctcagaa gaattaaaag aaaagctttc agcactcaag atttccaatt 960
tatttaacat cctccaacac attctaaaga aactaagtag cttgcaggag ggttcctact 1020
tggtatctca tgcagcagaa gattcttcac tcctgattta taaggcctct gatggaaaag 1080
ttactaggac agcatacaat ttgtataaaa cacattgcgg ccttcctggt gtaccttcca 1140
gtctctcagt tccctgggtc ccattagatc ccagcctggt attaccatat catatccatc 1200
atggaagaat accttgtagt tttccaccga aatcactgga taccacaaca caacaaaaga 1260
ttggtggaac gagaatgcct acacgcagcc acaggaatcc agtttccatg gaaacaaaaa 1320
gcagttgctt gcctgctcag caagttgaaa ctgaaggagt ggctccacat aaaagaaaaa 1380
taacttgagg actgtaccat ggaaaactaa atttaaaaaa mcagttataa cagtgtttta 1440
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tagagtgcct tgaaaaaatg tggtggctat gtgaaggaat atttcaacta aaatggaatg 1560
gtatgctttt cacccttraa gtttgaggag gatcttgata tgttttaaca ttatcatggc 1620
agggaaatat ataaagaaga aaaatatttt tacattaaac cttttctaaa aattgtaaat 1680
agaaaaataa tttggttttt tatcaagaac aacacttatc gttatgtatt gtgttagtta 1740
tattgccagt ctgttgcgac tgactcaaaa agttaaatgt tgccactgct gaagatgatt 1800
atgagcatcg caaactttgt ttctgaccca ttttgacagt ttttatatac tcctttaaaa 1860
tgatgaatgt tacagggtta taaagttaat acctttaaaa acttggtgaa attccattac 1920
agaagccaaa aataaaaact ccctgcctct gaaaagtcag attactgact tcttgtttgg 1980
caaccatcag tttgtttaat aaaagaaaaa atttggtggt ataacatggt tgatgacaga 2040
tgctctatc tctagattca agctgagtgt tgaaatacac tgctgaaagn aagagatagg 2100
tatgttttcc agaaaaaaa 2119

```

<210> 185

<211> 1325

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1319)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1320)

<223> n equals a,t,g, or c

<400> 185

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atgactgggg agcgacccag ncacggcgct cccgggacag acgctggggg ccscggaatc 60
tctccctgga tattggcact gaagtgtttg cccctggacc gggctctggt attcagaaac 120
agcgggagcc acggaagggc cgctcatcg tgtgtggcca tgggacgctg gagcgggacg 180
gagtcttctg tctcctcagc gatgatcatg gtgcctcctg gcgctacgga agtgggggtca 240
gcggcatccc ctacggtcag cccaagcagg aaaatgattt caatcctgat gaatgccagc 300
cctatgagct cccagatggc tcagtcgtca tcaatgcccg aaaccagaac aactaccact 360
gccactgccg aattgtcctc cgcagctatg atgcctgtga tacactaagg ccccgatgat 420
tgaccttcga ccctgagctc gtggaccctg tggtagctgc aggagctgta gtcaccagct 480

```

```

ccggcattgt cttcttctcc aaccacgac atccagagtt ccgagtgaac ctgaccctgc 540
gatggagctt cagcaatggt acctcatggc ggaaagagac agtccagcta tggccaggcc 600
ccagtggcta ttcacccctg gcaaccctgg agggcagcat ggatggagag gagcaggccc 660
cccagctcta cgtcctgtat gagaaaggcc ggaaccacta cacagagagc atctccgtgg 720
ccaaaatcag tgtctatggg aactctgag ctgtgccact gccacagggg tattctgcct 780
tcaggactct gccttcagga acacgggtct gtagagggtc tgctggagac gcctgaaaga 840
cagttccatc ttcctttaga ctccagcctt ggcaaaatca ccttcccttt accagggaaa 900
tcacttcctt taggactgaa agctaggcgt cctctcccac aaaaaagtcc tgccctcatc 960
tgagaatact gtctttccat atggctaagt gtggccccac caccctctct gcctcccggg 1020
acattgattg gtcctgtctt gggcaggctc agtgagctgt agaattgaat caatgtgaac 1080
tcagggaact ggggaaggct gagcctcctc tttggtgttg cggtaagata accgacaggg 1140
ctggtgaaag tccccagatg gcaggatatt tggtttcaga gtaaggacta ggtgcaccac 1200
catgactgac tatcaatcaa aatgtttgta acttaaaatt tttaatgaag gataatgaat 1260
attaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaann 1320
aaaaa

```

1325

<210> 186
 <211> 433
 <212> DNA
 <213> Homo sapiens

```

<400> 186
aattcggcac gagggcgcag gccccagcca gctcaggcta cactatccca ggatcagcat 60
ggccgtccgc cagtgggtaa tcgccctggc cttggctgcc ctccctgttg tggacaggga 120
agtgccagtg gcagcaggaa agctcccttt ctcaagaatg cccatctgtg aacacatggt 180
agagtctcca acctgttccc agatgtccaa cctgggtctgc ggactgatg ggctcacata 240
tacgaatgaa tgccagctct gcttgccccg gataaaaacc aaacaggaca tccagatcat 300
gaaagatggc aaatgctgat cccacaggag cacctcaagc catgaagtgt cagctggaga 360
acagtgggtg gcatggagag gatatgacat gaaataaaaag atccagccca aaaaaaaaaa 420
aaaaaaaaaaa aaa

```

433

<210> 187
 <211> 859
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (803)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (853)
 <223> n equals a,t,g, or c

```

<400> 187
cccacgcgtc cgcccacgcg tccgcccacg cgtccgaccg gggcttttcg tgagctcgtc 60
tctgatctcg cgcaagagtg acacacaggt gttcaaagac gcttctgggg agtgagggaa 120
gcgggtttacg agtgacttgg ctggagcctc agggggcggg actggcacgg aacacaccct 180
gaggccagcc ctggctgccc aggcggagct gcctcttctc ccgcgggttg gtggacccgc 240

```

```

tcagtacgga gttggggaag ctctttcact tcggaggatt gctcaacaac catgctgggc 300
atctggaccc tcctacctct gggtcttacg tctgttrcta gattatcgtc caaaagtgtt 360
aatgccccaa tgactgacat caactccaag ggattggaat tgaggaagac tgttactaca 420
gttgagactc agaacttgga aggcctgcat catgatggcc aattctgcca taagccctgt 480
cctccagggtg aaaggaaaagc tagggactgc acagtcaatg gggatgaacc agactgcgtg 540
ccctgccaaag aagggaagga gtacacagac aaagcccatt tttcttccaa atgcagaaga 600
tgtagattgt gtgatgaagg acatggctta kaagtggaaa taaactgcac cgggaccag 660
aatmccaagt gcagatgtaa accaaacttt ttttgkaact ctactgtatg tgaacactgt 720
gacccttgca ccaaagtga acatggaatc atcaagggaat gcacactcac cagcaacacc 780
aagtgcaaaag aggaaggatc canatctaac ttgggggtggc ttgggcttct tcttttgcca 840
attccctaatt tgnntgggt                                     859

```

<210> 188

<211> 833

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (65)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (798)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (803)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (809)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (812)

<223> n equals a,t,g, or c

<400> 188

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tcgcagagat tacaccactg caacgagact cgggcccaga cgagatctgc ctgggcgaca 60
cagtnagact ctgtctcaaa ataaataaat aagtaaataag aacctcctga gctaccctgg 120
cttataagga ttcagattac tttaggaaat taggcattag cactaggagg ggggaagatg 180
gctggcaaaa cttctagcta gcaacctatg tctagcacat gggtaactaa ccatagcgag 240
atcctgaaca catatcctct aggtgcaggt ggagggaacg atgtccaata cctgaagcag 300
aatctcacat ggacggaacg tctgtatttc cctctcctgc acgaatcact catcattctt 360
ggagggttct tctgcattcc tccttttctt ctctcccttc ccctgccttt tgtcttttct 420
aaagagtctg aactccgatt tccatgctct cctgctacat taataagcaa aacctgcttg 480

```


tgtgtacggt tctttactgg aaacatgact ttttgtttct gtatttggtt tactgtcatc 540
cagttttcta gtttaatatc tagcaaaact aaatctgaat gtactcgtt tttccgttaa 600
gtatgccaaag cacctcgggt gaaaggcttg actcaaacca gaagtcttgc tggaaattcgt 660
ctctgaacac ttgaaaaaca gaaaccctga gccgcaacaa acatgcctct gtgtgtcggg 720
attgcctttg tctctgcttc catgtggctt ttccttttgt agctatgctt agtgacataa 780
tcttcctct tcaagcantc tgngttggn cttcccggt ccccccccg tgc 833

<210> 189

<211> 2211

<212> DNA

<213> Homo sapiens

<400> 189

ggcacgagga gtacagggcc cgcgcatgcg tggattgtcg tcttctgtcc aagttggctg 60
cttcctgctg ccaaagttag cagtagccaa catgtcaggg tgggagtcatt attacaaaac 120
cgagggcgat gaagaagcag aggaagaaca agaagagaac ctggaagcaa gtggagacta 180
taaatattca ggaagagata gtttgatttt tttggttgat gcctccaagg ctatgtttga 240
atctcagagt gaagatgagt tgacaccttt tgacatgagc atccagtgt tccaaagtgt 300
gtacatcagt aagatcataa gcagtgatcg agatctcttg gctgtggtgt tctatggtac 360
cgagaaaagac aaaaattcag tgaaattttaa aaatattttac gtcttacagg agctggataa 420
tccaggtgca aaacgaattc tagagcttga ccagtttaag gggcagcagg gacaaaaacg 480
tttccaagac atgatgggccc acggatctga ctactcactc agtgaagtgc tgtgggtctg 540
tgccaacctc tttagtgtatg tccaattcaa gatgagtcatt aagaggatca tgctgttcac 600
caatgaagac aacccccatg gcaatgacag tgccaaagcc agccgggcca ggaccaaagc 660
cgggtgatctc cgagatacag gcattcttct tgacttgatg cactgaaga aacctggggg 720
ctttgacata tccttgttct acagagatat catcagcata gcagaggatg aggacctcag 780
ggttcacttt gaggaatcca gcaagctaga agacctgttg cggaagggtc gcgccaagga 840
gaccaggaag cgagcactca gcaggttaaa gctgaagctc acaaaagata tagtgatctc 900
tgtgggcatt tataatctgg tccagaaggc tctcaagcct cctccaataa agctctatcg 960
ggaaacaaat gaaccagtga aaaccaagac ccggaccttt aatacaagta caggcgggtt 1020
gcttctgcct agcgatacca agaggtctca gatctatggg agtcgtcaga ttatactgga 1080
gaaagaggaa acagaagagc taaaacggtt tgatgatcca ggtttgatgc tcatgggtt 1140
caagccgttg gtactgctga agaaacacca ttacctgagg cctccctgt tcgtgtaccc 1200
agaggagtgc ctggtgattg ggagctcaac cctgttcagt gctctgctca tcaagtgtct 1260
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aggcttccag ctggtctttt taccctttgc tgatgataaa aggaagatgc cctttactga 1440
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cttcacatac agaagtgaac gctttgagaa ccccgctgctg cagcagcact tcaggaacct 1560
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ggttgaagca atgaataaaa gactgggctc cttggtggat gaggtttaagg agcttggtta 1680
cccaccagat tacaatcctg aagggaagt taccaagaga aaacacgata atgaagggtc 1740
tggaagcaaa aggcccaagg tggagtattc agaagaggag ctgaagaccc acatcagcaa 1800
gggtacgctg ggcaagttca ctgtgcccat gctgaaagag gcctgccggg cttacgggct 1860
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accagaggcc gcgcgtccag ctgcccttcc gcagtgtggc caggctgcct ggcttctgct 1980
tcagccagtt aaaaatgtgt tctcctgagc taggaagagt ctaccgcaga taagtcgagg 2040
gactttatgt ttttgaggct ttctgttgcc atggtgatgg tgtagccctc ccactttgct 2100
gttccttact ttactgctg aataaagagc cctaagtttg tactataaaa aaaaaaaaaa 2160
aaaaaaaaaa aaagtcgacc ggccgttaatt ttagtagtag taggcggccg c 2211

<210> 190
<211> 1659
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1582)
<223> n equals a,t,g, or c

<400> 190
atcgggttca agaagaaaat gctaggctta agaagaaaa agagcagttg cagcaggaaa 60
tcgaagactg gagtaaatta catgctgagc tcagttagca aatcaaatac tttgagaagt 120
ctcagaaaaga tttggaagta gctcttactc acaaggatga taatattaat gctttgacta 180
actgcattac acagttgaat ctgtagagat gtgaatctga atctgagggt caaaataaag 240
gtggaaaatga ttcagatgaa ttagcaaatg gagaagtggg aggtgaccgg aatgagaaga 300
tgaaaaatca aattaagcag atgatggatg tctctcggac acagactgca atatcggtag 360
ttgaagagga tctaaagctt ttacagctta agctaagagc ctccgtgtcc actaaatgta 420
acctggaaga ccaggtaaaag aaattggaag atgaccgcaa ctactacaa gctgccaag 480
ctggactgga agatgaatgc aaaaccttga ggcagaaagt ggagattctg aatgagctct 540
atcagcagaa ggagatggct ttgcaaaaaga aactgagtca agaagagtat gaacggcaag 600
aaagagagca caggctgtca gctgcagatg aaaaggcagt ttcggctgca gaggaagtaa 660
aaacttacaa gcggagaatt gaagaaatgg aggatgaatt acagaagaca gagcgggtcat 720
ttaaaaacca gatcgtacc catgagaaga aagctcatga aaactggctc aaagctcgtg 780
ctgcagaaag agctatagct gaagagaaaa gggaagctgc caatttraga cacaattat 840
tagawttaac acaaaagatg gcaatgctgc aagaagaacc tgtgattgta aaaccaatgc 900
caggaataac aaatacacia aaccctccac ggagaggctc tctgagccag aatgtctttt 960
ggcccatccc ctgtgagtgg tggagaatgc tccccctccat tgacagtggg gccacccgtg 1020
agacctctct ctgctactct caatcgaaga gatatgccta gaagtgaatt tggatcagtg 1080
gacgggctc tacctatcc tcgatggta gctgaggcat ctgggaaacc ctctccttct 1140
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agggactcgt atgaaggcaa ggttaatatg gctccaaaag ggccccctcc tttcccagga 1260
gtccctctca tgagcaccac catgggaggc cctgtaccac caccattcgt atatggacca 1320
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tgcgtccacc actaggctta agagaatttg caccaggcgt tccaccagga agacgggacc 1440
tgctctcca ccctcgggga tttttacctg gacacgcacc atttagacct ttaggttcac 1500
ttggcccaag agagtacttt attcctggta cccgattacc accccaacc catgggtccc 1560
aggaataccc accamcacct gnttggttaar gagratttat kgcgttcagt gttagagatg 1620
aggcctcaac tggcttctta gaggcattag ccagggatt 1659

<210> 191
<211> 3894
<212> DNA
<213> Homo sapiens

<400> 191
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<210> 192

<211> 695

<212> DNA

<213> Homo sapiens

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<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (28)

<223> n equals a,t,g, or c

<400> 192

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<210> 193
<211> 3131
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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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<220>
<221> misc feature
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<210> 194

<211> 2058

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2045)

<223> n equals a,t,g, or c

<400> 194

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<210> 195

<211> 831

<212> DNA

<213> Homo sapiens

<220>

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<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (28)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (44)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (791)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (806)

<223> n equals a,t,g, or c

<400> 195

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<210> 196

<211> 961

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (32)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (923)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (947)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (953)

<223> n equals a,t,g, or c

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<222> (954)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (960)

<223> n equals a,t,g, or c

<400> 196

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961

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<210> 197

<211> 606

<212> DNA

<213> Homo sapiens

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<221> misc feature

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<222> (603)
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cgaccctncc cacaccctan ggtaccccag tcgtatcctc tgcccgcatg tgtggccagg 540
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canaaa 606

<210> 198
<211> 393
<212> DNA
<213> Homo sapiens

<220>
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<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<400> 198
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<210> 199
<211> 1061
<212> DNA
<213> Homo sapiens

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<222> (1035)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1056)
<223> n equals a,t,g, or c

<400> 199
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<211> 1359
<212> DNA
<213> Homo sapiens

<220>
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<222> (1005)
<223> n equals a,t,g, or c

<220>
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<222> (1128)
<223> n equals a,t,g, or c

<220>
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<222> (1342)
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<220>
<221> misc feature
<222> (1343)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1344)
<223> n equals a,t,g, or c

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<210> 201
<211> 726
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (179)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (724)
<223> n equals a,t,g, or c

<400> 201
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gcagagcacc aagcgcttca tcaagtggta caacgcctgg aacgagaagc gcaggggtcta 600
cgaagaatag ggtgaaaaac ctcagaaggg aaaactccaa accagttggg agacttgtgc 660
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ggcnta 726

<210> 202
<211> 2714
<212> DNA
<213> Homo sapiens

<400> 202
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2714

<210> 203

<211> 422

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (419)

<223> n equals a,t,g, or c

<400> 203

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ggaaggaaag acccaaggga gtggataact tggccctgga accctgacct tgtgtctcct 360
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gg

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422

<210> 204

<211> 2339

<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (199)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2238)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2321)
<223> n equals a,t,g, or c

<220>
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<222> (2329)
<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2334)

<223> n equals a,t,g, or c

<400> 204

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<210> 205

<211> 1655

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature
<222> (1548)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1559)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1564)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1623)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1643)
<223> n equals a,t,g, or c

<400> 205
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<210> 206

<211> 5145

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (5126)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (5143)

<223> n equals a,t,g, or c

<400> 206

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<211> 487

<212> DNA

<213> Homo sapiens

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<223> n equals a,t,g, or c

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<221> misc feature

<222> (483)

<223> n equals a,t,g, or c

<400> 207

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<220>
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<220>
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<400> 208
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<211> 625
<212> DNA
<213> Homo sapiens

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<221> misc feature
<222> (25)
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<222> (26)
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<221> misc feature
<222> (600)
<223> n equals a,t,g, or c

<400> 209
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<211> 1551
<212> DNA
<213> Homo sapiens

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<222> (760)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1543)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<223> n equals a,t,g, or c

<220>
<221> misc feature
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1546)
<223> n equals a,t,g, or c

<400> 210
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<211> 1011

<212> DNA

<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (801)

<223> n equals a,t,g, or c

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<210> 212

<211> 1639

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1630)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1637)

<223> n equals a,t,g, or c

<400> 212

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<210> 213

<211> 2127

<212> DNA

<213> Homo sapiens

<400> 213

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<210> 214

<211> 1166

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1163)

<223> n equals a,t,g, or c

<400> 214

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<210> 215

<211> 3323

<212> DNA

<213> Homo sapiens

<400> 215

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<210> 216

<211> 1408

<212> DNA

<213> Homo sapiens

<400> 216

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<210> 217

<211> 2111

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2102)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2104)

<223> n equals a,t,g, or c

<400> 217

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2111

<210> 218

<211> 2493

<212> DNA

<213> Homo sapiens

<400> 218

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<210> 219

<211> 1259

<212> DNA

<213> Homo sapiens

<400> 219

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<210> 220

<211> 1849

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (920)

<223> n equals a,t,g, or c

<400> 220

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<210> 221

<211> 1267

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1244)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1252)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1264)

<223> n equals a,t,g, or c

<400> 221

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tgagtaacga aagaggcttt gaaaatgtag aactgggagt cataggaaaa aagaagaaag 180
tcccaaggag agtcatccac tttgttagtg gtgaaacaat ggaagaatat agcacagatg 240
aagacgaagt tgatggcctg gagaagaaag atgttttgcc tactgttgat ccgacaaaac 300
ttacctgggg tccctactta tggttttaca tgcttcgggc tgctacatca actctctcag 360
tgtgtgactt ccttgagag aagattgcat ctgttttggg tatcagcacc ccaaagtacc 420
aatatgccat tgatgaatat tatcgatga agaaggagga agaagaagaa gaagaagaaa 480
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ttgttcagac agatcaacca gagacagtga tatccagctc atttgtgaat gtcaattttg 600
aaatggaggg agacagtga gtaattatgg aaagcaagca aaatccagtc tctgtcccac 660
cataaaatga aatgactatc aagcttcaaa ctcttaagtt tttttttttt aatacaaaaa 720
ctttcacatt ctttattcag tgggacttaa tacaattatt tatattttta attattaaag 780
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taataaaaagg agcaagatgg aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1200
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cttntct 1267
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<210> 222

<211> 754

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (702)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (710)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (754)

<223> n equals a,t,g, or c

<400> 222

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gcaggataaa agaaatatga ggcccgaatt ggaacagcag catggagggt ccagattggg 180
tccccaacgt gtcctccatg ggcaagacaa tggaaacttc cacaagcagg gaaggcaaac 240
cctctttatt gaacattagc cagcccagcc cagacccag ggctgctaag gacacagaga 300
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tggaagctgc aagcaaaagg gatgggacta gggctgagtt gtgtctycat tttgataagg 420
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acgcctggaa aatgggcatc tctccctccc atgttaagct ttaacctctg taatctgcct 540
gtatctatag gtgggcatct cactccatca aaggagccca gcctcttttg tcctctacca 600
tgcacagtct ttctgtgcat ttccccaagc tgggacctct tctactctca tttaggcctg 660
tgataactca ttaccacccc atcacttggtg tcttcagggc anacttggcn aagcaggga 720
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<210> 223

<211> 1258

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (41)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1205)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1241)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1247)

<223> n equals a,t,g, or c

<400> 223

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gtgggtggcac atggtgccct gacctccag gggccctggc gtttgccctc ttmgcttart 480
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<210> 224

<211> 584

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (494)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (495)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (577)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (583)

<223> n equals a,t,g, or c

<400> 224

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gcatcaggca agtggctgga tggattcga aaatggattt acaatgctgc aggattcaat 120
aaactgggggt taatgcgaga tgatacaata tacgaggatg aagatgtaaa agaagccata 180
agaagacttc ctgagaacct ttataatgac aggatgtttc gcattaagag ggcactggac 240
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaggggnggc cgnt 584

<210> 225

<211> 3449

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2330)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3434)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3443)
<223> n equals a,t,g, or c

<400> 225
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<210> 226

<211> 1866

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1859)

<223> n equals a,t,g, or c

<400> 226

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ggagcc 1866

<210> 227
<211> 1064
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c

<400> 227
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<210> 228
<211> 373
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (329)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (332)

<223> n equals a,t,g, or c

<400> 228

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ggcccagggc cctgcggggc accccccccac catggcccag ggccctgcgg gccaccccc 180
caccatggtc cagggccctg cggggccacc cctggccatg gcccagggcc ctgcggggcca 240
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gagaaattgc cca                                     373
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<210> 229

<211> 2844

<212> DNA

<213> Homo sapiens

<400> 229

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tgtcaacatg ggacggagat ctacatcatc caccaagagt ggaaaattta tgaaccccac 240
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gatgggttga gctgcagttt taaagatgaa ggatccaaaa cagataatcc gagacatgga 360
gaaattggat gaaatggagt ttaaccagc gcaacagcca caattaaatg agaaagtact 420
gaaagacaag cgtaaaaagc tgcgtgaaac ctttgaacgt attctacgac tctatgaaaa 480
agagaatcca gatatttaca aagaattgag aaagctagaa gtagaatatg aacagaagag 540
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<210> 230

<211> 1798

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (501)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1798)

<223> n equals a,t,g, or c

<400> 230

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gacaattcca agaacacgct gtatctgcaa atgaacagcc tgagagctga ggacacggct 480
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gcttggcacg taccctgtst acatacttcc crggcrccca gcatggaaat aaagcaccca 1680
scrctgccct gggcccctgc aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1740
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaawaa aaaaaaaaaa aaaaaaan 1798
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<210> 231

<211> 1823

<212> DNA

<213> Homo sapiens-

<220>

<221> misc feature

<222> (82)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1593)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1714)

<223> n equals a,t,g, or c

<400> 231

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gcagatttcc aaagaaggcc agtagaactg ctagaatagc ctccgatgag gaaattcaag 180
gcacaaagga tgctgttatt caagacctgg aacgaaaact tcgcttcaag gaggacctcc 240
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acaaagtctc cagctgtgaa cagagactca tcagtgaat agagtacagg ctagaaaggt 420
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1823

<210> 232

<211> 970

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (936)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (960)

<223> n equals a,t,g, or c

<400> 232

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cccatcgccc ctgctcccag cagcaccctt ggctccagca cccctggggc gggcaccccg 180
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ccaccggaac ttttgtggcc cctaccgctc agcccttccc agcacttctc ccactttgtc 720
ccgagcctcc ttctcccca gcaggggcac aggcctggca cctccctgcc ttgtgtcctg 780
agccatagtg actcttttat ctgtgtgtct tttgtctaat atgccctttt tatattaata 840
aaagatgatt tggagttgtg ctctcaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 900
aaaaaaaaagg cggccgctct agaggatcca tgcttnacgt acgcgtgcat gcgtacgctn 960
ttgctcttct                                     970
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<210> 233

<211> 967

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (923)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (926)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (955)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (957)

<223> n equals a,t,g, or c

<400> 233

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tggagatgca ggcacctgag ccaaggcgtc cagtggctct tgcttctggc tgtcctggtc 180
ttctttctct tcgccttgcc ctctttttatt aaggagcctc aaacaaagcc ttccaggcat 240
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caacgcacag agaacattaa agaaaggtct ctacagtccc tggcaaagcc taagtcccag 300
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caggcaccgc cggaggagca ggacaaggtg cccacacag cacagagggc agcatggaag 480
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<210> 234

<211> 2163

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1140)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1157)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1158)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1166)

<223> n equals a,t,g, or c

<400> 234

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gcgcgtattt gatctgcagc agaacctggg cagcgtcaat gtgagcacgg gctgtgcacc 660

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cgccctgcaa gccagaccc cgggcctggg gcctagagga ctgcaggcca ccgcccggaa 720
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<210> 235

<211> 1321

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1313)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1320)

<223> n equals a,t,g, or c

<400> 235

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c 1321

<210> 236
<211> 683
<212> DNA
<213> Homo sapiens

<400> 236
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cagagcgcct ctatgcctac cacctgtccc gtgcgcctg gtacggaggc ctggctgtgc 180
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agcttatgtt ctctctggag ccaaggcttc gacacctcgg actggggaag gagggaaatca 540
ccacctatct ctctgggaat tgtaccatgg aagatgccaa attggccmag atttctggac 600
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rccctamtac gaaggtgcgg gtt 683

<210> 237
<211> 2115
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2112)
<223> n equals a,t,g, or c

<400> 237
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gcatctgggt tcccacctca gcctcccag tagtggtatc aggatccggc ttccaacatg 240
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caggccgggc acaacttcta caacgtggac atgagctact tgaagaggct atgtggtacc 420
ttcctgggtg ggcccaagcc accccagaga gttatgttta ccgaggacct gaagctgcct 480
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<210> 238

<211> 1642

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1633)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1638)

<223> n equals a,t,g, or c

<400> 238

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gctgccacac tcaacaattt ggctgtgtct tatggcaaaa ggggcaagta caaggaggca 240
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gatgtggcaa aacagctgaa caacctggcc ctcttgtgcc aaaaccaggg caagtatgag 360
gccgtggaac gctactacca gcgagcaact gccatctacg aggggcagct ggggccggac 420
aacccaatg tagcccgga caagaacaac ctggcttcct gttacctgaa acagggcaaa 480
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gctcttactc cctccctctg ctgtctcact tcagggtccat gtatttcact tttcttaa 1560
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caatttgccc canagggngg cg 1642

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<210> 239

<211> 468

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (461)

<223> n equals a,t,g, or c

<400> 239

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aactccagtt acctgaatgt ccagcgggag aatgggaccg tctccagata cgaggagggc 360
cgagaaacat gttgtcacc tgctgttcct tagggacacc aagaccttga tgtttggtty 420
ctacctggac gatgagaaga actgggggtg tctttctatg ntgacaag 468

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<210> 240

<211> 1329

<212> DNA

<213> Homo sapiens

<400> 240

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gagaccagcc tggacaacac agtgagacct catctctatc aaaaaataaa aattagctag 180
atgtggtggc atgagcctgt gttcccagct gcttaggagg ctgaagcagg aggattgatt 240
gagcctgcga ggccaaggct gcagcaggct gtgattgcac cactgcactt cagcttgggc 300
aacagagcaa gaccctgtct ccgaaacaaa taaaaaatac tgtaataaaa gtacttataa 360
acatactaac cctctttcag gaccctaaag ttgcaggtta gtaggtcttc aaggacaaat 420
ctgtaagttt cttattttctg tagtgcaagt aaaatttcac tttttgaaac tatagagaga 480
tccctttctg attagcctac agaacttaaa gtgagggaac catttcctct cacagacaaa 540
gaggcctggg atattaggac tttgggggtt gagagcatca tggggcagac agatggtgga 600
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tggacagagc agggcaggca gttctatgcc ttggagctcc tgactgcagg gactctgtcc 840
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tattggagac aatcctttga tcataaattc tccccacta taaatcattt tatgtcttta 1260
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gcccgtacc 1329

<210> 241

<211> 1652

<212> DNA

<213> Homo sapiens

<400> 241

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acatgctgtg tgtgaccatg agctccagt tcaatgtgag gaaggatgga tccctcccga 540
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gacctgtagg ccatgtttgc actgcaaata tatttggctt gaatgatatt gaaaaaaaaa 1620
aaaaaaaaaa ctcgaggggg ggcccgtacc ca 1652

<210> 242

<211> 1946

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (84)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (538)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1932)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1941)

<223> n equals a,t,g, or c

<400> 242

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aagagccgag tatcttccag ccgctgcctc ctgactgtaa taatattaaa cttttttaaa 1860
aaaccataaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1920
aaaaaaaaaa anaaaaaaaaa nggggg 1946

<210> 243

<211> 518

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (298)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (472)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (494)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (500)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (507)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (513)

<223> n equals a,t,g, or c

<400> 243

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gcccagcctg gtcttgaacc ctttggtcga agtgatccac ctgccttggc ctcccaaagt 240
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aaggggggtg caancctttn gggagtnaca agngcttg 518
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<210> 244

<211> 621

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (460)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (569)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (593)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (609)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (612)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (621)

<223> n equals a,t,g, or c

<400> 244

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tcacttttact tgtatatcag atatataagc tatgaacaca agtttgtagt aaaagtatct 120
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tctgtctggg caatggctca cacctgtaat tccaacactt tggggggctc aggtgggagg 180
atctctagtc cccaggagtt tgagaccagc ctgggcaata aactagacc catgtctcta 240
aaaaatgtaa aaaacatcaa gaggctgagt caggaggatc atttgagctt aggagttcaa 300
ggctgcagta agttatgatt gtgccactgc attccagcct gggtgacaag agtgagacc 360
tgacccaaaa aaagtatctt ctgataaagt ggcatttgaa aattgcagaa aattttaata 420
ttttttcttt taatattaag aactttattg atctctctan gacaccttg tgaggaaatt 480
aatggcactt ttcttgacat tcaacctggg actttgggtg attctgggtt ctggggaatt 540
taaagtttca acatttcttt ggggcacnt ttacaagggg tttggccctt ggnaccttat 600
gaccggtcna anggtccaaa n 621
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<210> 245

<211> 480

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (340)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (366)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (431)

<223> n equals a,t,g, or c

<220>

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<222> (447)

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<220>

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<222> (460)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (469)

<223> n equals a,t,g, or c

<400> 245

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gcgcctgtag tcccagctac tcgggaggct gaggcgggag tatgacttga acctgggagg 120
cggaggttgc agtgagctga gattgtgccca ctgcactcca gcctgggtga cagagcaaga 180
ctccgtttca gaaaaaaaaa aaaactgtgt ctcatcattg cactgttctt ttaaaattgt 240
atatatatat ttttcttgca gatacactct ggaaatgatt aaactagtac cacataatga 300
aagtgcattg aactatttga aagggtttt gcaggatcgn ggtctttcca aatatcccaa 360
tctgtnaaat caattacctt gatttacaac caagtcaaag ttccccctac ctaattgcct 420
ttcttgggga naccatgaag acatgcnaga aaaccagn gn gacaataang gagacatcct 480

<210> 246

<211> 451

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (107)

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<222> (110)

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<222> (135)

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<220>

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<222> (198)

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<222> (287)

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<220>

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<222> (309)

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<220>
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<220>
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<222> (349)
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<222> (379)
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<222> (434)
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<220>
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<222> (438)

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<222> (439)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (451)

<223> n equals a,t,g, or c

<400> 246

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caccgtatta gccaggatgg tctcgatctc ctgacctcgt gntccgngcn cctcggcctc 120
ccaaagtgtc ggganttaca ggcgtgagcc accgtgcccg gcctgattct cttaaaattg 180
aagagggtgt gccaaagnct tcagatctaa cgcagatgca tagaccttgt tcatgggtact 240
tggtcagcct gtgctgggga gccgtgggtc cgagtttctt gggaggntga caggggtgaag 300
ccaccgtanc caccnaccnc cganttcncn tncgctttct tntcagcant aggattaaag 360
ggatttttgaa tgaagcaant tttaaggggt aggagggtgt ggggaaaata aataattatt 420
caagtaaggc cttnggggnt ttaggggggt n 451
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<210> 247

<211> 530

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (40)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (404)

<223> n equals a,t,g, or c

<400> 247

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aacttctcct ggtctctcag ctggggccac tgtcggcatc atgattggag tgctggttgg 120
ggttgctctg atatagcagc cctggtgtag tttcttcatt tcaggaagac tgacagttgt 180
tttgcttctt ccttaaagca tttgcaacag ctacagtcta aaattgcttc tttaccaagg 240
atatttacag aaaagactct gaccagagat cgagaccatc ctagccaaca tcgtgaaacc 300
ccatctctac taaaaataca aaaatgagct gggcttggtg gcgcacacct gtagtcccag 360
ttactcgggg aagctgaggc aggagaatcg cttgaacccg ggantggaga ttgcagttag 420
cccagatcgc accactgcac tccagtctgg ccaacagagc aagactccat ctcaaaaaag 480
aaaagaaaag gagactctga cctggtactc ttgaatacaa gtttctgata 530
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<210> 248

<211> 635

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (217)

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<220>

<221> misc feature

<222> (224)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (235)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (408)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (437)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (484)

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<220>
<221> misc feature
<222> (513)
<223> n equals a,t,g, or c

<220>
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<222> (516)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (560)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (568)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (576)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (603)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (635)
<223> n equals a,t,g, or c

<400> 248
gggtggcaggt gcttataatc ccagctactc tggggggccaa ggcaggagaa ttgcttgagc 60
ctggggagatg gaggttgcag tgagctgaga tcatgccact gcactccagc ctggggcaaca 120
gagcaagact ctgcctcaaa aaaaaattaa aataaattta aatacaaaaa aaaatagcca 180
gggtgtgggggt gcatgcctgg aatcccagct acttganaag gctnaaggca ccaanaattg 240
cttgaaccca ggaggtggag gttgcagtga gccaaagatca caggagccac tgcactccag 300
cctgggtgac agagtgcagc tctgtctcaa aaaaaaaatt aaataaatta ttataacctt 360
tcaaaaatgc tgtgtgcatt ttcattgttct tttttttaac attactgnca ctctccctaa 420
tgaaatggac ttcaaanaag cagtattttg ttaaataaat acataacctc attctgaata 480
atgnccctca ttttgactat aactgggctt ggnttnaaaa gcaaaattta acaaaaattt 540
aatcccttc caaaggaacn ttgggtancc tgggtnaaaa aatgccaaat ggggtacttt 600
tanttaaaat ttggaattta acatcttttt tggan 635

<210> 249
<211> 360

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (118)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<400> 249
ctcaggaaac catgtccaaa accctagcag cggtagagca tgctgtctcc aacccttata 60
cccagggttta aggggtggttt atggccatac gtggagggttt tttgttggtg tttttganac 120
tgagtttcac tcttggtgcc caggctggag tgcaatggca ccatctcggc tcaactgcaac 180
ctccacctcc tggttcaagc gatctcaggc ctcagcttcc caagtagttg ggattacagg 240
cgcctgccac cacacctggc taattttgta tttttagtan anatgggggt ctccatggtg 300
gtcangctgg tctcaaactc ccgaactcaa gtgatctgcc cgccttgggc tcccaaaatn 360

<210> 250
<211> 464
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (436)
<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (446)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (459)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (460)

<223> n equals a,t,g, or c

<400> 250

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cgccattgca ctccagcctg ggcaacaaga gcgaaaccct gtctcaaaaa aaaaacaaaa 120
aaccaccaca aaactaggag cctggaaggc cggactgggt ctccgtggga ggggcctggg 180
tctggagagc agggcagggt ctctggggcc taggggatgg ggatggggct ggggtctcaga 240
ggaggcaggg ttacgtgca gaagagcgga cttggtctcc ggggtcccga gtgggtgacg 300
cgggcccgcca cagggtgctt ctgaagggtga gccggctgga ggcacaactg ctctgggagc 360
gctaccccgga gtgcgggaac ctgctgctgc ggccancgg ggacggcgcc gacggcgtgt 420
cggtcaccac tcggcngatg ccaacnggaa cgcacgtgnn ccgg 464
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<210> 251

<211> 315

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (28)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (37)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (77)

<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (202)
<223> n equals a,t,g, or c

<220>
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<222> (210)
<223> n equals a,t,g, or c

<220>
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<222> (220)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<400> 251
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gtcgaccac gcgtttngct ccttggtcag gctgggtctgg aactggcgac ttnggggtgat 120
ccgcccgcct cggcctccca aagtgggtggg attacagggtg tgagccaccg tgcccagccc 180
tgaaatagtc ttaattgctt gnttttcttn tttgtctgan gtgtgctttt taaaatctct 240
atggagatgg agaagactga cattntctgg cctgatgtga aaaacctctc attaaaaacc 300
gngtntgtag ntttg 315

<210> 252
<211> 333
<212> DNA
<213> Homo sapiens

<220>
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<222> (51)
<223> n equals a,t,g, or c

<220>
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<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (141)
<223> n equals a,t,g, or c

<220>
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<222> (196)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (200)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (325)

<223> n equals a,t,g, or c

<400> 252

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gaactcctga cctcaggtna tccacccacc ccagcctccc aaagtgctgg gattacaggc 120
gtgagccact gagcccagcc nacttttcag tttttaacat aatttttggt ttatccacaa 180
cttttcaagt attganagtn caataaaaaa catgggttct tagtctgtaa ctntctgtta 240
aagcctatga atnncttctg aaaatcatgt ttttaaatgc ataaaatata tacgattacg 300
anngaatctt attattgtcg aaatncagtt att 333
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<210> 253

<211> 307

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

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<220>

<221> misc feature

<222> (42)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (250)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (260)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (281)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (299)

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gtataaatgt tacttaaaaa aaatatatattt ggccgagcac agtgggtcac gcctgtaatc 60
cccacacttt gggaggccga ggcgggcaga ttgcctgagg tcaggaattt gagatcagcc 120
tggccaacat gatgaaaccc cgtctctact aaaaatacaa aaattagccg ggcattggtg 180
caggcacctg taatcccggc tactcgggag gctgaggcag gaaaatcgct tgaacccggg 240
agtcggaagt tgcagngagc caagggtcatg tcatcattgc actccagctt gggcaacaag 300
agtgaagact tcgtctcaaa aaaaaaactt acagactttt ttttcctttt gtaaattgnt 360
agtttaactt tgaattcnng atgaaggatt tattcttatt t 401

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<210> 255

<211> 406

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (149)

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<220>

<221> misc feature

<222> (243)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (369)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (370)

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<220>

<221> misc feature

<222> (376)

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<220>

<221> misc feature

<222> (390)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (392)

<223> n equals a,t,g, or c

<400> 255

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gcttatcatt tgtattaaaa tatggtttta tgtaaagagt tgcctttctc cattcccccc 60
tcccctcccc tcccctctct tcccctctct tcttaccctcc aattaaaaaa tagcacatcc 120

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ctaattgtggg aaacagtaag aaagcatana ttacatttta ggcagggcac agtggctcac 180
gcctgtaatc ccagcacttt cggaggctga ggtgggtgga tcacttgagg tcaggagttt 240
ganaccagcc tggccaacat ggtgaaaccc tgtctctact aaaagtacaa aaattagcca 300
ggcatggagg cgggtgcctg taatcccagc tacttgggag gctgaggcag gagaattgct 360
tgagcccann aggcanaggt tgcagtgagn anagatcggg ccattg 406

<210> 256

<211> 415

<212> DNA

<213> Homo sapiens

<220>

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<222> (27)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (324)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (378)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (379)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (411)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (412)

<223> n equals a,t,g, or c

<400> 256

gacatgaatt ccttaatgat gggagangat aaaatcaagt tcaaacacat cccccccctg 60
caggagcaga gcaaagaggt ggccatccgc atctttcagg gctgccagtt tcgctccgtg 120
gaggctgtgc aggagatcac agagtatgcc aaaagcattc ctggttttgt aaatcttgac 180
ttgaacgacc aagtaactct cctcaaatat ggagtccacg agatcattta cacaatgctg 240
gcctccttga tgaataaaga tggggttctc atatccgagg ggccaagctt catgacaagg 300
gagtttctaa agagcctgcg aaancttttg gtgactttat gggagcccag tttgagtttg 360
ccgtgaaatt ccatggcnng ggatttatat gacagcggct tgggcaaatt nnagc 415

<210> 257

<211> 414
<212> DNA
<213> Homo sapiens

<220>
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<220>
<221> misc feature
<222> (297)
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<220>
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<222> (375)
<223> n equals a,t,g, or c

<220>
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<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<400> 257
cgagaggaa accccgcacc cctggcagaa gttccggacc aagccccagg gggaccagga 60
caccggcaag gaggtgatg acggatgtgc ccttgggggc angtgatggg agcacagctg 120
gaacaatgtg ctcggtcccc agtgctctgt gggagcccca ggacaagtga gctggtgtca 180
cctcctgcct gggggaagag ccaggccctg aagaacagcc gcagcgtgtc acaggtgttg 240
gtgaggacac acactaggcc caaggtgcct gtgctcccag caggttccaa gtgcaanttc 300
aagccaactt tgcgtgttaa cttcaacggg gacttccaag cttccaagct aacttttgtg 360
gtgttaacct tcaanaaaan caanaaaggg gggcttnggg gcatttttgt ncct 414

<210> 258
<211> 373
<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (321)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (324)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (328)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (351)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (361)

<223> n equals a,t,g, or c

<400> 258

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ctccgagtcg gggcccaggt gcagctctcc ggtggacaca gaatgcagcc atgctgaggg 60
cagccggagc caaggccctg agaaagcctt cagcccggt tctccatgtg cctggaacgt 120
gtgtgtcacc aggaaggccc ccctgctggc ctctgacagt agctcctctg ggggctccca 180
cagcgaggat ggcgaccaga aggcagcgag tgccatggat gcggtgagca ggggtcccgg 240
ccgggaggcc ccccgctgcc cacagtggcc aagacagaag aagcttttgg caaggttcgg 300
ttttctgaca accggctttt naancctncc ttgcccccg cccaaaagga nttaatctct 360
ngcccaagcg ttg 373
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<210> 259

<211> 529

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (287)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (377)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (438)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (443)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (444)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (495)

<223> n equals a,t,g, or c

<400> 259

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aaactaacag atgaagaagt agatgaaatg atcagagaag cagatattga tggagacgga 60
caagtcaact atgaagaatt cgtacagaat gatgactgca aaatgaagac ctactttcaa 120
ctcctttttc cccctcttta gaaagaatca aatttgaatc ttttacttac ctccttgcaa 180
aaaaaagaaa aaagaaaaaaa ttccatttat tcatccttgt ttcctatata gccaaactga 240
atgttcaaaa gtaccttcct tgtcccacac acacaaatct gcatgtntgg ttgggggggt 300
ccctgtcccc cttaaagatca agctacactt cccattttta caatataata cttgttctac 360
cttatgatag atccctnaaa agtttcccct ttgctaataa ttatacctgt ttgggtggcc 420
agttttccct gcttgcaantt gannaatgac ccagccggcc tttgttttaa attgaaatga 480
aaacaattcc aacntccat ggttcccgtc cattgttaat taatggcca 529
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<210> 260

<211> 566

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (361)

<223> n equals a,t,g, or c

<220>

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gtttacttttg gaaagaacca aagtttgcag aagatacaga aaactcctct ctttgtggcg 120
gcgatctgtg ctcatgtggt tcagtatcct ttgacccat cctttgatga tggggctgtt 180
ttcaagtcct atatggaacg cctttcctta aggaacaaag cgacactgaa aattctcaaa 240
gcaactgtgt cctcctgtgg tgagctggcc ttgaaagggt ttttttcatg ttgctttgag 300
tttaatggat ggatggatct cgcagaagca ggggggtggat ggaagatgaa gatctaacca 360
ngtgcttgga tgagcaaatt ttacagccca gagactaaga ccattctacc ggntttttaa 420
gttccggcct tccaagnaatt tcttggcggg ggatgaggcn ggattgaact ccngggatcc 480
agataggcag gaacatcaag attggggang gtaaccattg gaacaaacca ctcaccagg 540
tgacggtgaag cgcctacaac antttt 566

<210> 261
<211> 502
<212> DNA
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nataacctgt cnaanttatc tgatgacana ttaccaangt gctcccccat cccacagta 120
tagaangatt atttgcattg gtgcanaana naatggnttg ccgctggant atcaanagan 180
gttaanagcn ttanaaccaa atgactatac ntgaaagggtc tcanaagaaa ntgangacat 240
catcannaag ggggaaacac anactcttta gancataaca gaatatatct aagggtattc 300
tatgtgctaa tatanaatat tattaacact tganaacang gatctggggg atctccacgt 360
tngatccatt ttcannagtg ctctgagagg agtatcttac ttgggggtgac tccttgtttt 420
tagactatac tcagaaactg ggatangag ttanaccatt taaaacgggt gtatganggc 480
ctgnaatatg tgacaantga at 502

<210> 262
<211> 489
<212> DNA
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<222> (440)
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<223> n equals a,t,g, or c

<220>
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<222> (477)
<223> n equals a,t,g, or c

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<222> (486)
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tgggaccagg agcccgccag ggagcaggca ggcgggggct ggcgggccag gcggccccgg 120
gcccgctccg tggacgccct ggacgacctc accccgccga gcaccgccga gtcagggagc 180
aggtctccca cgagtaatgg tgggaggaga agccgggcct acatgcccc gcggagccgc 240
agccgggacg acctctatga ccaagacgac tcgagggact tcccacgctc ccgggacccc 300
cactacgacg acttcaggtc tcgggagcgc cctcctgccg accccaggtc ccaccaccac 360
cgtaccggg accctcgga caacgntcc aggtccggg acctccccta tgatgggcgg 420
ctactggagg aggtgtgan gaagaagggg tcggacgaga ggangagacc ccacaangag 480
gangangaa 489

<210> 263
<211> 93
<212> DNA
<213> Homo sapiens

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<222> (22)
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acaccatggc cttcnnccacc aggcagttca tgn 93

<210> 264
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<220>
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<222> (358)
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ctttaatctg cnttactacg tggggcacaa gggcaagtcc ggccangagt tcctggagtt 120
tgaagtttcg accggacgga gcttgaaatc gtcattggag atgaacacat ttcttttnac 180
aacatcaaaa attggttccc ttattgatgt caatcatgcc aaggatccag aaggcttacg 240

nagtatttna ttatcttgtc caggacctga agtggttggt cttcagtctt attgggttac 300
acttcaagnt taaaccatct agactgnata ttngtggtggg acanggggggt ggggtgggngt 360
aggaaatttt gtgtattttc aggggcatt 389

<210> 265
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<400> 265
tttgcccacg cgtccgcccac cgcgtccgcc cagcgcgtccg cccacgcgctc cgcacccccca 60
tcccagtcctc agcctacttc cgccacgcag aacctggatt ctccctcaag agggccagg 120
ggctcagccg gagcctccca cctccgcccc ctgccaaagg cagcattccc atcagccgcc 180
tcttccctcc tcggaccccc ggctggcacc agctgcagcc ccgcgggtgt cattccgggc 240
gaaggcctag agactctgca gagccctggg tatgacccaa gccgcaaaag tctttnttca 300
agcaaaagntt caaaagggtta agccgcttgg gcaatgggtt annngaaagg ttttaagggg 360
gcctccaagg gagggacggcc gggttttttnn ggaaaagggt 400

<210> 266
<211> 382
<212> DNA

<213> Homo sapiens

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<220>
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<400> 266
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cacaggtgag ctgccgctgg gcccgganca tgctgggcgt tencacctng cagactgcac 120
gtccaaccg cccgctccac ctactctttc caggcccggc ancttntgga gaaggaattc 180
agcannctta tctccttagg cacagacagg ctgctggacn aggacatgcg ccaagtcttt 240

cagttcgnlc cccatcctgg cggaagatgt tccggganga aggacctccg aggcgtaact 300
ngccgactca ctgagatgtt gcccencaac tttcgttcgg ntgcagcggn attcctgggc 360
tnttcgggg ctcccttttc cc 382

<210> 267

<211> 449

<212> DNA

<213> Homo sapiens

<220>

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<220>

<221> misc feature

<222> (433)

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<222> (446)

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<222> (447)

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<220>

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<222> (448)

<223> n equals a,t,g, or c

<400> 267

gggcgatggc tgaaggacca ggagctgagc cctcgggagc cggtgctgcc cccacagaag 60
atggggccta tggagaaatt ctggaataaa tttttggaga ataaatcccc ttggaggaaa 120
atgggtccatg gggatatacaa aaagagtatc tttgttttca ctcatgtact tgtacctgtc 180
tggattattc attattacat gaagtatcat gtttctgaaa aaccatatgg catagttgaa 240
aagaagtcca gaatattccc tggtgataca attctggaga ctggagaagt aattccacca 300
atgaaagaat ttcctgatca acatcattaa agattatgta aaaaggtaaa aggccttatga 360
gcctaagttt ggttctatat taccatattt actggaattt tcttggaaaa gtactttaat 420
aaagtttaat cttagaaaaa aaaaannna 449

<210> 268

<211> 594

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)
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<220>
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<222> (8)
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<400> 268
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ccgctctaga actagtggat cccccgggct gcaggaattc ggcacgaggt cagtgtcggg 120
cgcagacggc ggcagtgcgg cttgctcttg gaagttcagg ctcggttgtc ttttgggagc 180
catggagagt gacttttata tgcgttacta cgtggggcac aagggcaagt tcggccacga 240
gttcctggag tttgagtttc gaccggacgg gaagttaaga tatgccaaca acagcaatta 300
caagaatgat gtcatgatca gaaaagaggc ttatgtacat aaaagcgtga tggaggaact 360
gaagagaata attgacgaca gtgaaattac caaagaggat gatgcattgt ggcctcctcc 420
tgaccgagtg ggccggcagg agcttgaaat cgtcattgga gatgaacaca tttcttttac 480
aacatcaaaa attggttccc ttattgatgt caatcaatcc aaggatccag aaggcttacg 540
agtattttat tatcttgtcc aggacctgaa gtgtttggtc ttcagtctta ttgg 594

<210> 269
<211> 332
<212> DNA
<213> Homo sapiens

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<222> (275)
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<220>
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<220>

<221> misc feature

<222> (332)

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<400> 269

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atcttcgtga agactctgac tggtaagacc atcacccctcg aggttgagcc cagtgcacac 120
atcgagaatg tcaaggcaaa gatccaagat aaggaaggca tccctcctga ccagcagagg 180
ctgatctttg ctggaaaaca gctggaagat gggcgacccc tgtctgacta caacatccan 240
aaagagtcca ccctgcacct ggtgctccgt ctcanagggt ggatgcaa atctcgngaag 300
accctgactg gcaagaccat nacccttgag gn 332
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<210> 270

<211> 515

<212> DNA

<213> Homo sapiens

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<222> (3)

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<220>

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<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<400> 270

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tctagaacta gtggatcccc cgggctgcag gaattcggca cgagggatgt tgatgtcctg 120
catctaacgc ggtgtaaccc ccgaagccga gcgagctccg gaggaatttc agtatctgct 180
acggtaactt catcagccc ccaagatggc gatgcaagcg gccaaagagg cgaacattcg 240
acttcacact gaagtaaate ggatattgta tataagaaat ttgccataca aaatcacagc 300
tgaagaaatg tatgatatat ttgggaaata tggacctatt cgtcaaataca gagtggggaa 360
cacacctgaa actagaggaa cagcttatgt ggtctatgag gacatctttg atgccaagaa 420
tgcattgtat cacctatcgg gattcaatgt ttgtaacaga taccttgtgg ttttgtacta 480
taatgccaac agggcatttc agaagatgga cacia 515
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<211> 141

<212> DNA

<213> Homo sapiens

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<222> (14)

<223> n equals a,t,g, or c

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<222> (25)

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<222> (39)

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<222> (141)

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<400> 271

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tcaaaactga gagggatagg aaagtaaaaa cttatccagg taggaaaatt ggatcgaaca 120
tttcacctct catattaagg n 141

<210> 272

<211> 433

<212> DNA

<213> Homo sapiens

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<222> (49)

<223> n equals a,t,g, or c

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<222> (52)
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<222> (402)
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<222> (427)
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gagcggcggc ggaccgcagc gaagtggcga gntagtggca aacgttgant tntgaagggg 60
ggcccaagat gaccggttct aacgaagttc aagntgaacc agccaccgag aggatagcat 120
ctcctccgta aagttcagnc ccaacacctc ccagttcctg cttgtntcct cctgggncac 180
gtccgtncca ctctacgnat gtgccggcca actccatgcg gctcaagtac cagcacaccg 240
gagncgtnct ggactgcgnc ttctacggtc caangnatgc ctggagtnga ggactagatc 300
atcagttgaa aatgcatgat ttgacactga tcaagaaaat ttcttggacc catgntgcc 360
tatnagatgt gttgaatact gtcagaagtg aattanaatg gnactggaag ttgggggttag 420
ccagtnnacc tgt 433

<210> 273

<211> 432
<212> DNA
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<400> 273
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tgcttcacca gctgctctcc ttgcacggtg gcagcaccac tgagcccact gtgcgtgggg 180
ctcccgnctn caaccctcgc ccagtcacca gcagccagcc aaacacacag aaggggactg 240
ccaccttccc ttgccagctg ctgagccgca gagaagtgc ggttcctaca caggacaggg 300
gttccttctg ggcattacat cgcataagaa tnaataattt gtggtgattt ggatctgggt 360

tttaatgaat ntnacagtgn gacttttgatt attaattgag caagcttttc ctaataaacg 420
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<211> 276

<212> DNA

<213> Homo sapiens

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<222> (234)

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<222> (255)

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<221> misc feature

<222> (264)

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<220>

<221> misc feature

<222> (265)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (269)

<223> n equals a,t,g, or c

<400> 274

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gctgaggacg aggctgatta ttactgcagc tcatntacaa gtagtatctc ttatgtcttc 120
ggaactggga ccaagggtcac cgtcctagtc cagcccaagg ccaacccac tgttctactcc 180
tgtttccccc cctcctcctt aagaacttcc aagcccaaca aaggcaacta tgtnttttgg 240
aaccattact tctanccggg aaanntttna aaatgc 276

<210> 275

<211> 351

<212> DNA

<213> Homo sapiens

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<222> (329)
<223> n equals a,t,g, or c

<220>
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<222> (349)
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gggccgtgga aaacgggnac cggacangaa gccgccggcc ctgccgcgcc ccatccncaa 120
cctggaagtc gagttcacca agatatttan caanaatgga atgggacgaa tccnagantg 180
ggaaaaagtg tgctacatgt taccntcaa ctccggganc aaatatgtga agtggaaagaa 240
ngagatangg ccgacgtggg acgaaggctg tggaagctgc acagggtngc tnccaaaaag 300
ggntccccca tgggcgcccg gtgggatgnc ctgaattcct tggccggtng c 351

<210> 276
<211> 463
<212> DNA
<213> Homo sapiens

<400> 276
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catcttcctg cccgtgctgg gcctcccatg ggggtgtcctg tcacaggtgc agctgcagca 120
gtcaggtcca ggactggtga agccctcgca gaccctctca ctcacctgtg ccatctccgg 180
ggacactgtc tctaggaaca gtgctggttg gaactggatc aggcagtccc catcgagagg 240

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ccttgagtgg ctgggaagga catactacag gtccaaatgg tataatgatt atgccgtatc 300
tgtgaaaagt cgaataacca tcaacgcaga ttcaaccaag aatcagttct ctctgcagct 360
gaactctgtg actcccaggg acacggctct gtattactgt gcaagagatc ggggcagctg 420
gtccgatgaa gccgaggggc tcccgcgcgc ttacttctac tac 463
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<210> 277

<211> 463

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (392)

<223> n equals a,t,g, or c

<400> 277

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cctcttcttg gtggcagcag ctacaagtgc ccactcccag gtgcagctgg tgcagtctgg 120
tgctgaggtg aagaagcctg gggcctcagt gaaggctctc tgcaaggctt ctggatacac 180
cttcaccagt tatgatatca actgggtgcg acaggccact ggacaggggc ttgagtgggt 240
gggatggatg aaccctaaca gtgctaacac aggctatgca cagaagttcc agggcagagt 300
caccatgacc aggaacacct ccataagcac agcctacatg gagctgagca gcctgagatc 360
tgaggacacg gccgtctatt actgtgcgag anggaggcgg tgggagctgc tcgggatgat 420
gtgggacttt gactactggg gccagggaac cctggtcacc gtc 463
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<210> 278

<211> 343

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (172)

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<220>

<221> misc feature

<222> (271)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (284)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (293)

<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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ctcgccctcc tcctggctgt tctccaagga gtctgtggcg aggtgcagct ggtacatgct 120
ggaggagaga tgaggaaagc ccggggagtc tctgaagatc tcctgtgaag gntgttggga 180
tacacctttg aacatctact gggatcggct ggggtgcgcca gatgcccgga gaaggcctgg 240
gagtgggtgg ggcacatcat gtcctggtga ntctgatggc cagngatagc cannccttttc 300
gagggccaga tgcancatgt gcagtcgaca agtggcacca aca 343

<210> 279
<211> 436
<212> DNA
<213> Homo sapiens

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<220>
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<222> (151)
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<220>
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<222> (211)
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<220>
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<220>
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<222> (362)
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<220>
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<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<220>
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<222> (392)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (403)
<223> n equals a,t,g, or c

<400> 279
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tctcccagct tgtgctgact caatcgccct ctgcctctgc ctccctggga gcctcggtca 120
ngctcacctg cactctgagc agtgggcaca ncgactacgc catcgcatgg catcagcagc 180
agccagagaa gggccctcgg tacttgctga ngcttaacac tgatggcagc cacaggaagg 240
gggacgggat ccctgatcgc ttctcaggct ccagctctgg ggctgagcgc tacctcacca 300
tctccagcct ccagtctgag gatgangctg actattactg tcagaactgg ggctttggga 360
tngtatctcg cgnaagggac caanctgaac gncctaagtc agnccaaggc tgccccctcg 420
gtcaatctgt tcccgg 436

<210> 280
<211> 315
<212> DNA
<213> Homo sapiens

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<222> (76)
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<222> (138)
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<220>
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agctgtgaga tcaactggncct ttggaaaaaag gaattctagt gaagtgaaca attgcgaact 180
gaacttagga aggtcctgga ggagtgtttt gacctggaaa atgnagccca gtgtgggttca 240
agggttagac tgcagagttt agagggtgggg agcactgagn cgggtggcaga ttgggtccca 300
gggttggnntt gaagn 315

<210> 281
<211> 411
<212> DNA
<213> Homo sapiens

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<222> (339)
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<222> (358)
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<220>
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<222> (376)
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<220>
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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (411)

<223> n equals a,t,g, or c

<400> 281

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agaagaatat gaaaaagcag agcgactcgg ttaagggaaa gcgccgagat gacgggcttt 120
ctgctgccgc ccgcaagcag agggactcgg agatcatgca gcagaagcag aaaaaggcaa 180
acgagaagaa ggaggaaccc aagtagcttt gtggcttcgt gtccaaccct cttgcccttc 240
gcctgtgtgc ctggagccag tcccaccacg ctgcgcttcc ctctgtagt gctcacaggt 300
cccanaccg atggcattcc ctttgccctg agtctgcanc gggtcctttt tgtgcttnc 360
tcccccaag tacctntttc cccctgggcc acttcgggg gtnagggggg n 411
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<210> 282

<211> 570

<212> DNA

<213> Homo sapiens

<220>

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<222> (6)

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<220>

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<222> (7)

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<220>

<221> misc feature

<222> (12)

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<220>

<221> misc feature

<222> (217)

<223> n equals a,t,g, or c

<400> 282

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ggggcaagtg agagccggac gggcactggg cgactctgtg cctcgctgag gaaaaataac 180
taaacatggg caaaggagat cctaagaagc cgagagnaaa atgtcatcat atgcattttt 240
tgtgcaaact tgtcgggagg agcataagaa gaagcaccca gatgcttcag tcaacttctc 300
agagttttct aagaagtgtc cagagaggtg gaagaccatg tctgctaaag agaaaggaaa 360
atttgaagat atggcaaaaag cggacaaggc ccgttatgaa agagaaatga aaacctatat 420
ccctcccaaa ggggagacaa aaaagaagtt caaggatccc aatgcacca agaggcctcc 480
ttcggccttc ttctcttctt gctctgagta tcgccccaaa atcaaaggag aacatcctgg 540
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gctgtccatt ggtgatgttg cgaagaaact

570

<210> 283

<211> 366

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (333)

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<220>
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<400> 283
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agcggatttc acacatgcct agcagaccag aactctcggc agttgctaca agggaagaaa 120
ggactatgtg gatcccttgt ggctatgcag atacctacct cacagagttg ttgtagaaga 180
ctgggtggttt ggttcaaacc ttgtgattaa agagtttgtc aagcatttta ttcttttgaa 240
taaaagcaac atatctaaaa catttaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 300
aaaaaaaaaaaa aaaaaaaaaa aaagggnggc cgntttnaag gatccaanct tacgaancgt 360
gcatgc 366

<210> 284
<211> 414
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (395)
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<222> (398)
<223> n equals a,t,g, or c

<220>
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<222> (407)
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<400> 284
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gggagaagat tgtggctccc atcagtgact ccccgaaagg accgccacag cgtgtgaccc 180
tcacgctacc tgtcctgaat gcagcacgaa ctgtcatctt tgtggcaact ggagaaggca 240
aggcagctgt tctgaagcgc attttgagg accaggagga aaacccgctg cccgccgcct 300

ggtccagccc cacaccggga aactgtgctg gtcttggacg aggcggccgc cgcttctgac 360
cgtgcccttc gagaaacatt ccactttgna actnngcnca aaggacnccc aaat 414

<210> 285

<211> 551

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

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<222> (322)

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<220>

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<222> (324)

<223> n equals a,t,g, or c

<220>

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<222> (325)

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<222> (368)

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<222> (410)

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<220>
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 <222> (536)
 <223> n equals a,t,g, or c

<220>
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 <222> (545)
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 gctatcttag cggcacaaag actaggagaa gatgtggaga cttccaataa atgggctgcn 180
 ggccanaaca aacaacattc tattaccaag aacacggcca agctngaccg gganacagag 240
 tgctgcacca tgacaggtga ccctgaagtg ngtcaagtga tccagcaagt cggcananca 300
 agggcttaca cataacganc tngnnacgaa aatcatgata agccacagtg atcgcagact 360
 atganagnng tacggccata cccaataacc agtgcctggc aaaatcgacn ggaccattgg 420
 ctccaagctc cgggaaagac attggaaaac ccacgcagaa gggcctaggc gaaatgaaca 480
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 cgttntcctc a 551

<210> 286
 <211> 615
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (3)
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<400> 286
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tccaactgta tacctgcac agtggtcattc ctttgtgtga tttcttaatg ctgtatttgt 180
tcattctcaaa cctagatgta tacagctctg agttataaat gggtataaag ctctgtgttac 240
tcatattagt tattttacac aaaaagcttt tagaaaatgg tacgaggtaa ccaattcttg 300
tcatgggtgaa atctgattga gtaaccaagc agttttacta ttctgggtgct gcttcataac 360
aaaaatgaaa agctgcacgc atctacagca ggcattggatt gtttatgtcg tatgatattcc 420
tttattaagt aagttcactt atagtatttc tataatttga ttcattgccg taatagagcc 480
atgtaggaaa tgcactgatt gcatgttatt gtggcaagaa taccctaaat gtcattaaaa 540
tcctccaaca tgatggatct acttatggtc ttgtttgttg acatgacaaa ttaacattct 600
tatagttaca tctgg                                     615

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<210> 287

<211> 302

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (221)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (226)

<223> n equals a,t,g, or c

<220>

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<222> (237)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (286)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (296)

<223> n equals a,t,g, or c

<400> 287

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gtcctatcag tacctttag agagtatccg aaggtttccg nctcangaag agttcangga 240
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tcgtcgcgct ccccggggtg ncagncanca tnetgnatgt ntacctnaag tcncaccacg 240
gagagcacga ganacccgag ttcacgtctt acctatctct ncgtatcagg ancaagcnnt 300
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ccagagtggg actgcctgcg cctgctcctg ttatcaatag caaatatgga ctcagagaaa 180
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accgaaaatc ttcagttggc gtaaaaaaga atagcaagag cagaacgtta acgaggcaat 360
ctatgtcaag aattccagct tcttccaact ctacctcacc taagcttaac tcatataaat 420
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cancctggnt gcttcaagac agagtcagtg aagaaacgtg gggttcantgg gaaaagcgcc 180
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gtattgaagc caacagtaaa gacannnagt cttactgggn gctcaaagaa gtaactcctg 240
aagggctcna aatggtaaag aaaagctttg aggccgggca cggtgactca tgcctgtaat 300
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gcaataagaa nggaaaccnn tttctgcaac ttcacggtgg ccttncaaat ctcccccca 360
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ntngngncan cnccttangg ngcngccncc caggggaaag annnaacccc naaaaaaagg 480
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gcaacanccg cttnacctac agcntcactn tcgatggctg cacganthac accggagncc 120
tggggcaaga nagtgaattg aattacaaaa ccaccaagac ctcccgnntg cccatnnatc 180
gatgtggccc ccttggaacg ttggtgcccc aaaccaggna attcggnttc gaacgttggg 240
ccctgtttgg ttctctgtaa aantcccttc cattcccaac ctgggttccc tnnccaaccc 300
aaccaaattt ttccnnncna acccgggaaa cagg 334

<210> 298
<211> 293
<212> DNA
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gctgtctatg aaagcgcaga ggccccgggc cactatcccc cagaggacag cacctacgat 120
gagtacgaga acgatctggg gatcacagcc gtgcgccctgt acgantacca ggctgcgggc 180
gatgatgaga tctcatttina ccctgatgac atcatcacca acatcgagat gattgangac 240
ggctggtggc gcgggggtgtg caagggccgc ttcaggggagc tcgcattctc ttg 293

<210> 299

<211> 418

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (59)

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<221> misc feature

<222> (393)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (408)

<223> n equals a,t,g, or c

<400> 299

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ccccaccgac nttggntnag gataactcca ggtacacaca cttcctgacc cagnactatg 120
atgccaaacc acagggcccg gatgacagat actntgaaag catcatgngg agacggggcc 180
tgacctgacc ctgcaaagac atcaacacat ttnttcatgg naacaagcgc agattcaagg 240
ncatctgtga aaacaaggan tggaaaccnt tacagggnaa cctnaggttt angnaagttt 300
tttttttcca ggnaaccatt tggaaagttn aatnggggggt ttcccnnggg tntnnaanga 360
ctttcccggg gcnaaangng ggnttaaaaa annttttttt tttttttnga aaaagggt 418
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<210> 300

<211> 346

<212> DNA

<213> Homo sapiens

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<220>

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<222> (97)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (107)

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<222> (320)
<223> n equals a,t,g, or c

<220>
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<222> (330)
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cctcttccct gccaaaggttg tctctcgcct ggtgaantgg gtgacanttg cccatgagga 120
ttacatggag ctgcacttca ccaaagacat tgtggatgcg ggactggctg gggacaccaa 180
tctctactac atggcgctca tcgaaagggg cacagccaaa ctgcaggccg ctgtggtgtt 240
gaaccctggc tactcctcca tcccacctgt tttccanctc tgtttgaact ggaaanggga 300
gaaaaccaac agcaacnatn acaacattcn gggccatgga gggcga 346

<210> 301
<211> 213
<212> DNA
<213> Homo sapiens

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<222> (202)

<223> n equals a,t,g, or c

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aaaaanttgg tactaccagn tattggttcg tttacaatta ttgatggaaa tcaagtcanc 120
ggacaaaatn ctggaaacaa tttcttcctt caaaaaatct tatcngcaan aaccgactga 180
agctgccata gatttcctta cnagaattaa ata 213

<210> 302

<211> 440

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (324)

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<220>

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<222> (342)

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<220>

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<222> (363)

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<220>

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<222> (382)

<223> n equals a,t,g, or c

<400> 302

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ttcaccatgg accgggaagt gcgcaaaatc aaacaaggcc tgggcttgaa atttgctgag 120
ntggtgtata cgggtttctg gcacagccct gagtgtgaat ttgtccgcca ctgcategcc 180
aagtcccagg agcgagtggg agggaaagtg cagggtgtccg tcctcaaggg ccagggtgtac 240
atcctcggcc gggagtcgcc actgtctctc tacaatgagg agctggtgag catggatgag 300
aacctcatgc acatcagcta cgangctgga atcctggaga ancccaagaa ccaagcgctc 360
cangtcttaa acgaagaccc angaccagc caaagcccca acaaccctga catctccgag 420
atcgagttca aaaaagggtc                                     440
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<210> 303

<211> 495

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (22)

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<400> 303

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cccccgggct gcaggacgcc atgttggggg ttgtgggtcg ggtggccgct gctccggcct 120
ccggggcctt gcggagactc accccttcag cgctcgctgc cccagctcag ctcttactgc 180
gggcccgtccg acggcgggtcc atcctggtga gagcacagta aggactattg ctatggatgg 240
tacagaaggc ttggttagag gccagaaagt actggattct ggtgcaccaa tcaaaattcc 300
tggttggtcct gagacttttg gcagaatcat gaatgtcatt ggagaacctt ttgatgaaag 360
agggtcccatc aaaaccaaac aatttgctcc cattcatgct gaggctccag agttcatgga 420
aatgagtgtt gagcaggaaa tcttgtgact ggtatcaagg ttgtcgatct gctagcttcc 480
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tatgcccaagg gtggc

495

<210> 304

<211> 293

<212> DNA

<213> Homo sapiens

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<222> (286)

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<222> (287)

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<222> (289)

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<220>

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<222> (292)

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<400> 304

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cctcgggcag aagaggagag gaggatagca gcagaagaga agaagaagca ggatgaactg 120
aaacggattg ccagagaatt ggcagaagat gacagcatat taaagtgagt gaccctgcga 180
cccactcttt ggaccagcag cggatgaata aagcttcctg tgttggtgta aaaaaaaaaa 240
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaagggg cggnctntnt tna 293

<210> 305

<211> 261

<212> DNA

<213> Homo sapiens

<220>

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agggtccac gtgcagcgtc tctccgggca ccttcgggtc caggactaca actcccggca 120
gggtgcgcaa aacgaccgcc caaggcaacg gaggtcacg agaatcagca tgattcttca 180
naggctcttn aggttctcct ctgtnattcg gtcagccgtc tcagtccatt tgcggaggaa 240
cattggtggt acagcagttg g 261

<210> 306
<211> 502
<212> DNA
<213> Homo sapiens

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<220>
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<220>
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 <222> (488)
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 caactaacct cctcggactc ctgcctcact catttacacc aaccacccaa ctatctataa 120
 tcttagccat ggccatcccc ttatganccg ggcgagtgat tatangcttt cgntctaaga 180
 ttaaanatgc cctagcccac ttcttatcaa aangcacacc tacaccctt atccccatac 240
 tagttattat ggnaaacatn atcctactcn ttcnaccaat agccctgggc gtnagcctaa 300
 tcgcttacat tactgnaggg cacntactca tgcacctcat tggaancgtc ccctacaata 360
 tcaatcatta aacttccttc tacacttata tcttcacatt ctattctaac ttaatatcct 420
 aanaaattcc ttttcncttt attccaagcc caactttttc cnactttntt cttaaaccac 480
 ttactttncg aaaaaccttt tt 502

<210> 307
 <211> 119
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n equals a,t,g, or c

<220>
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 <222> (33)
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<220>
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<222> (40)
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<220>
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<220>
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tgttgnatc cctcanttgc ggagaatatt aaccatattg cagtgggtca ccntaccag 119

<210> 308
<211> 403
<212> DNA
<213> Homo sapiens

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<220>
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<222> (13)
<223> n equals a,t,g, or c

<220>
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<220>
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<220>
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<222> (375)
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<220>
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<222> (388)
<223> n equals a,t,g, or c

<220>
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<222> (389)
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<400> 308
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tggaacacggc tgcgggtgggc ggggtcttcg acgtctccaa cgctgaccgc ctgggcttct 120
cagaggtgga gctggtgcag atggtggtgg acggagtga gctgctcatc gagatggagc 180
agcggctgga gcagggccag gccatcgacg acctcatgcc tgcccagaaa tgaagcccgg 240
cccacacccg acaccagccc tgctgcttcc taacttattg cctgggcagt gccaccatg 300
caccctgat gttcgccgtc tggcgagccc ttagccttgc tgnagagat tccgttcaac 360
cttggtanaa tttanttttt tgatgggna agatatgctg atg 403

<210> 309
<211> 559
<212> DNA
<213> Homo sapiens

<220>
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<222> (5)
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<400> 309
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tctagaacta gtggatcccc cgggctgcag gaattcggca cgaggtttat ctcaaggcct 120
gagtagccgg taacaaacga gggttcccg gattggaccg acgcagccat gcctctgcga 180
cttgatatca aaagaaagct aactgctaga tctgatcgag ttaagagtgt ggatctgcat 240
cctacagagc catggatggt ggcaagtctt tacaatggca gtgtgtgtgt ttggaatcat 300
gaaacacaga cactggtgaa gacatttgaa gtatgtgac ttcctgttcg agctgcaaag 360
tttgttgcaa ggaagaattg ggttgtagaca ggagcggatg acatgcagat tagagtgttc 420
aattacaata ctctggagag agttcatatg tttgaagcac actcagacta cattcgctgt 480
attgctgttc atccaacca gcctttcatt ctaactagca gtgatgacat gcttattaag 540
ctctgggact gggataaaa 559

<210> 310
<211> 521
<212> DNA
<213> Homo sapiens

<220>
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<222> (9)
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<220>
<221> misc feature
<222> (227)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
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<222> (494)
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ggctatccag cgtactccaa agattcaggt ttactcacgt catccagcag agaatggaaa 120
gtcaaatttc ctgaattgct atgtgtctgg gtttcatcca tccgacattg aagttgactt 180
actgaagaat ggagagagaa ttgaaaaagt ggagcattca gacttgnctt tcagcaagga 240
ctggncctttc tatctcttgt actacactga attcaccccc actgaaaaag atgagtatgc 300
ctgccgtgtg aaccatgtga ctttgtcaca gcccaagata gttaagtggg atcgagacat 360
gtaagcagca tcatggaggt ttgaagatgc cgcatttgga ttggatgaat tccaaattct 420
gcttgcttgc tttttaatat tgatatgctt atacacttac actttatgca caaaatgtag 480
ggttataata atgntaacat ggacatgatc ttctttataa t 521

<210> 311
<211> 591
<212> DNA
<213> Homo sapiens

<220>
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<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (528)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (537)
<223> n equals a,t,g, or c

<220>
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<222> (557)
<223> n equals a,t,g, or c

<220>
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<222> (563)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (571)
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<400> 311
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ggattcctga agctgacagc attcggggccg agatgtctcg ctccgtggcc ttagctgtgc 120
tcgcgctact ctctctttct ggcctggagg ctatccagcg tactccaaag attcagggtt 180
actcacgtca tccagcagag agtggaaaagt caaatttcct gaattgctat gtgtctgggt 240
ttcatccatc cgacattgaa gttgacttac tgaagaatgg agagagaatt gaaaaagtgg 300
agcattcaga cttgtctttc agcaaggact ggtctttcta tctcttgtac tacactgaat 360
tcacccccac tgaaaaagat gagtatgcct gccgtgtgaa ccatgtgact ttgtcacagc 420
ccaagatagt taagtgggat cgagacatgt aagcagcatc atggagggtt gaagatgccc 480
gcatttggtat tggatgaatt caaattctgc ttgcttggtt tttaatantg atatgcntat 540
acacttacct ttatgcncaa aanggtaggg ntataataat ggtaacatgg g 591

<210> 312
<211> 584
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (33)

<223> n equals a,t,g, or c

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cgtcatagct cttctatagt gtcacctaaa ttcaattcac tggecgctgt tttacaacgt 180
cgtgactggg aaaaccctgg cgttacccaa cttaatcgcc ttgcagcaca tccccctttc 240
gccagctggc gtaatagcna anaggcccgcc accgatcgcc cttcccaaca gttgcgcanc 300
ctgaatggcn aatgggacgc gccctgnann ggcgcattaa gcgcggcggn tgagggtggtt 360
acgcncagcg tgaccgctac acttgccagt gccctagcgn ccgctccttt cgctttcttc 420
cctncctttc tcgccangtt cgccggcttt ccccgtaag ctctaaatcg ggggctccct 480
ttagggttcc gatttagtgc tttacggnac cttcgacccc aaaaaanttg attanggtga 540
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caattcactg gccgtcggtt tacaacgtcg tgactgggaa aaccctggcg ttaccaact 180
taatcgccct gcagcacatc cccctttcgc cagctggcgt aatagcgaag aggcccgcac 240
cgatcgccct tcccaacagt tgcncagcct gaatggcgaa tgggacgcgc cctgtancgg 300
cgcattaagc gcggcgggtg tgggtggttac ncgcagcgtg accgttacac ttgccagcgc 360
cctagcgccc gntcctttcg ctttcttccc ttcctttctc gccacgttcg ccggctttcc 420
ccgtcaagct ntaaactcggg ggctcccctt agggttccga ttagtgctt tacggcacct 480
cgaccccaaa aaactngatt aggggtgatg ttcacgtagt gggccatngn cctgatagac 540
ggtttttcgc cctttgacgt tggagtccac gttcttaata gtggactntt gttccaaact 600
ggaacaacac ttaaccctat ctcgggctat tcttttgatt nataagggat ttttccnatt 660
tcgggcctat tggttnaaaa aatgaagctt gttttaacaa aaaatttaac gcgnaatttt 720
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tcatanctct cctatagtgt cacctaaatt caatncactg gccgtcgttt tacaacgctg 180
tgactgggaa aaccctggcg ttaccaact taatcgctt gcaanacatc cccctttcgc 240
cagctggngt natancnaaa aggccgcac cgatcgccct tccaacagt tgcgcancct 300
gaatggcaaa tgggacgcgc cctgttacgg cgcatthaanc ccgnggggtg tgggtgttac 360
ccccaangtt naccgctaca cttgcnagcg ccctagngcc cgctcctttc gctttcttcc 420
cttcctttct cgccaanttc ngccggnntt ccccgctcaan ctctaantcg ggggccctt 480
tanggttcca atttatgctt tacggcaccn caacccaaaa aacttnnnta aggtnatggt 540
ccacntatgg gccatcnctt aataaanggt tttccccctt ngaaattgga atccanttct 600
taaaagggaa nctgttccaa atggaaaaaa anccaaccct atcncgggct ntncctngan 660
ttanaaaggg aattngnca attccggcct antgggttta aaaaattgaa actgaattta 720
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cttctatagt gtcacctaaa ttcaattcac tggccgtcgt tttacaacgt cgtgactggg 180
aaaaccctgg cgttacccaa cttaatcgcc ttgcagcaca tcccccttc gccagctggc 240
gtaatagcga anaggcccg accgatcgcc ctcccaaca gttgcgcagc ctgaatggcg 300
aatgggacgc gccctgtagc ggcgcattaa gcgcggcggg tgtggtggtt acgcgcagcg 360
tgaccgntac acttgnaagc gccctaacgc ccgntccttt cgctttcttc ccttcctttc 420
tnccacgttc gnccggtttc ccgtcaagct ctaaatcggg ggctccttta agggtcnnaa 480
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cttattttttc atataaaaat ctaaagtgtg taataaatca tttcatacaa aagtacatta 180
ttaaataacc acattatttaa aataaaaaaaa aaaaaaaaag ggcggccgct ctgaggatc 240
ccaagcttac gtacgcgtgc atgcnacgtc atagctcttc tatagtgtca cctaaattca 300
attcactggg cgcgtcgtttt acaacgtcgg tgactgggaa aaccctggcg ttaccaact 360
taatccgcct tgcagcacat ccccttttcg ccagctggcg taatagcgaa gagggccgcn 420
ccgatcgccc ttccaacag ttgcgcatgc tgaatggcga atgggacncg ccctgtancg 480
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tatagngtca cctaaattca attcactggc cgtcgtttta caacgtcgtg actgggaaaa 180
ccctggcggt acccaactta atcgcccttc agcacatccc cctttcgcca gctggcgtaa 240
tagcgaanag gcccgcaccg atcgcccttc ccaacagttg cncagcctga atggcnaatg 300
ggacgcgccc tgtagcggcg cattaagcgc ggcgggtgtg gnggttacnc ncagcngac 360
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<211> 388

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cgggtcgacc cagcgcgtccg gtnnanaccn atgngggggn agntctcngg nggnaaggaa 180
aatcgtgcaa agaggnanta atgaatgtgg atcacgagga tancnntta gtgnaggaan 240
tncatcgttt gggtnntaaa aatgctgatg gaaagttaan tgtgaaaatt ggggtcctct 300
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<223> n equals a,t,g, or c

<400> 319
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tttgttttca agatggtggtt atcttttgaa ttcttgataa atgactgttt ttttctgcct 120
aatagtaact ggtaaaaaaa caaatgttca tatttattga ttaaaaatgt ggttgcttaa 180
ttcctaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaagggcg gccgntctan 240
aggatccaag cttacgtacg cgtgcatgcg acgtcatagc tcttntatag tgtcacctaa 300
attcaattca ctggccgctg ttttacaacg tcgtgactgg gaaaaccctg gcgttaccca 360
acttaatcgc cttgcagcan atcccccttt nnccanctgg ngaataccaa aaggccccg 418

<210> 320
<211> 684
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c

<220>

<221> misc feature
 <222> (570)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (594)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (596)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (606)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (670)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (684)
 <223> n equals a,t,g, or c

<400> 320
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 cagcgctccg natccccagt gtgaggttaa tgagcaaaat tgggtctttgg ggcccttttt 120
 gtccaagccc cactgaaagg cctcttcaga aaactattat ctttaaagcc ctactttaac 180
 tccttaattc cagcatacag ctaaaactgg atgtatattc tggcaagtaa aggctgagga 240
 ctctctttta ntctcagat ctagataact catgacattt tatttgacca acatagcaca 300
 tgatgagata tcaaggtaat taaaatagca tgcttgaaaa aaaatacgtat atctgtttca 360
 cctgtaactg ttttaagccaa taaacttttc aaaattttaa aaaaaaaaaa aagggcggcc 420
 gctctagagg atccaagctt acgtacgcgt gcatgcgacg tcatagctct tctatagtgt 480
 cacctaaatt caattcactg gccgtcgttt tacaacgtcg tgactgggaa aaccctggcg 540
 ttacccaact taatcgctt gcagcacatn cccctttcgc agctggcgta atancnaaga 600
 ggcccnaccg atcgcccttt ccaacagttg cgcagcctga atggcgaaatg ggacgcgccc 660
 tgtagccggn cattaagcgc cggg 684

<210> 321
 <211> 216
 <212> DNA
 <213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (108)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (155)

<223> n equals a,t,g, or c

<220>

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<222> (183)

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<220>

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<222> (190)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (192)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (202)

<223> n equals a,t,g, or c

<400> 321

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gtccggaatt cccgggtcga cccacgcgtc cgcccggtg gaggtgnca gaaggatgct 120
ggggataagc ccttaggcac cagcttagac acctncaaga accaggcccc gctgatgcaa 180
ganggcagan cngataccca tnagagcccc gagaat 216
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<210> 322

<211> 557

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (40)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (98)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (286)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (394)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (415)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (509)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (545)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (546)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (550)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (555)

<223> n equals a,t,g, or c

<400> 322

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gaagcataat tcatttttgt atctgtggta acaaaacntt aaccaaaaga ttttctgtcc 120
agaagcctcc ccgaccccccc aagctatttg ctcacattaa caaattaaag tgcctgaagc 180
ataattcatt ctttacctgt atactaaaaa ccctgttgta ttgatttttt tataataagc 240
ctttttacct ctgtgtaaaa aatatatata caagtgtatg atgtanattt tagttcttaa 300
ctttttttta tggttttctaa tatgtatgac caatgtagcc attgctttta aatgtaccgt 360
gtaaataata acacatccta tcagaaaaaa aaanaaaaaa gggcggccgc tctanaggat 420
ccaagcttac gtacgcgtgc atgcgacgtc atagctcttc tatagtgtca cctaaattca 480
attcactggc cgtcgtttta caacgtcgng actgggaaaa accctgggcg ttaccaact 540
taatnnggcn ttgcngg 557
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<210> 323

<211> 145

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (19)

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<220>

<221> misc feature

<222> (56)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (139)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (140)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (142)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (145)

<223> n equals a,t,g, or c

<400> 323

ggtancngca gtacngtcng aattcccggc tctagagatc caagcttacg tactgngcat 60
gcacgtcata gctcttctat agtgtcacct aaattcaatt cactggccgt cgttttacaa 120
cgtcgtgact gggaaaacnn tntan 145

<210> 324

<211> 353

<212> DNA

<213> Homo sapiens

<220>

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<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (28)

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<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
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<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
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<220>
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<220>
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<222> (219)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (225)
<223> n equals a,t,g, or c

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<222> (232)
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<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (332)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (334)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (349)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (353)

<223> n equals a,t,g, or c

<400> 324

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ctccacctca atcacactac tccccatattc tagcaacgta aaaataaaan gacagtttga 120
acatacaaaa ccnaccctcat tcctcnccac actcatcgcc cttaccacgc tactcctacc 180
tatctccccc ttataactaa taatcttata aaaaanaana aaaangggcg gncgntctag 240
aggatccaag cttacgtacg cgngcatgcg acgtcatagc tcttctatag ggtcacctaa 300
attcaattca ctggccgctcg ttttacaacg tngngactgg gaaaaccng gcg 353
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<210> 325

<211> 553

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (359)

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<220>

<221> misc feature

<222> (381)

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<220>

<221> misc feature

<222> (406)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (448)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (461)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (481)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (513)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (524)

<223> n equals a,t,g, or c

<400> 325

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tcaactgcagt ctcaaccttc cggactcaag tgatgggtccc gcttcagcta cttgggaggc 120
tgaggcagga gaatcgcttg aacccgggag gcggagggtg cggggagccg ggattgtgcc 180
actgcactcc accctagagt gagactccct ctcaaaaaaa aaaaaaaaaa actcgagggg 240
gggcccggta cccaattcgc cctatagtga gtcgtattac aattccactg gccgtcgttt 300
tacaacgtcg tgactgggaa aaccctgggc gttaccaaac ttaaatacgcc ttgcagcana 360
tcccctttcg ccagctgggt naattagcga agaggccgc accgantcgc cttcccaaca 420
gttgcgcagt ggaatggcga atggcaantg taagcttaaa ntttgtttaa aattcgcgtt 480
naaatttttg gttaaatacag ctcatTTTTT aancataagg ccgnaatcgg gaaaatccct 540
tattaaatcc aaa                                     553
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<210> 326

<211> 628

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (434)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
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<222> (437)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (464)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (592)
<223> n equals a,t,g, or c

<220>
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<222> (602)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (613)
<223> n equals a,t,g, or c

<220>
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<222> (622)
<223> n equals a,t,g, or c

<220>
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<222> (625)
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<400> 326
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atcattgcta gaactgagag accagcctgg ctagaacttc agggcggtcc attcattctt 120
tcagtaaatg tttgcagcac atgtgttaca tgtcaggcag tgaaaccccc cacagcagcc 180
ttccctctca gaggatacat ttgtaacctat tacacagtca tcagaggaat aatttttttt 240
aatcaccagt gtgcacacag tcatggagtt gggatttccc agctaccagg gaggctgagg 300
tgggaggatt gcttgatgcc aggagttagg gaatatagtg caccgtgatt ggacttgcca 360
atagccactg cactgcggcc tggacgacgt agtgataccc tgactcttat aaataaataa 420

atgaataaac acannanaaa aaaaaaaggg cggccgctct agangatcca agcttacgta 480
cgccgtgcat gcgacgtcat aactcttcta taggggcacc taaattcaat tcactggccc 540
gccgtttaca acgtctgact gggaaaaccc tggcgttacc caacttaatc gncttgaga 600
anatcccctt ttnccaactg gnggnata 628

<210> 327

<211> 416

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (22)

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<220>

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<222> (254)

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<220>

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<222> (258)

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<220>

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<222> (260)

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<220>

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<220>

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<222> (285)

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<220>

<221> misc feature

<222> (297)

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<220>

<221> misc feature

<222> (299)

<223> n equals a,t,g, or c

<220>

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<222> (300)
<223> n equals a,t,g, or c

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<220>
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<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<220>
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<222> (416)
<223> n equals a,t,g, or c

<400> 327
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ggtgtgattt acttatgtaa attatgtaca aatttaagtt caatgaaaca ctgatttaat 120
gtactgaaag gtaaatagta ccatagttaa ttattttctg tcttgacctta ggtttatttt 180
tattatcttc aatattagaa taaatgctaa attattttca aaaaaaaaaa aaaaaaaaaa 240
aaaaaaaaaa gggnggangn tctanaggat ccaagcttac gtacnctgac atgcaangnn 300
atagntcttc tatagtgtca cctaaattca attnactggc cgtcgattna caacgtcgtg 360
actgggaaaa ccctggcggt acccaactta atcgccctgc agcacatccc cctttt 416

<210> 328
<211> 629
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (227)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (228)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (229)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (233)

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<220>

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<222> (242)

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<220>

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<222> (243)

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<222> (284)

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<220>

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<222> (301)

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<220>

<221> misc feature

<222> (394)

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<220>
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<220>
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<220>
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<223> n equals a,t,g, or c

<220>
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<222> (554)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (573)
<223> n equals a,t,g, or c

<220>
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<222> (598)
<223> n equals a,t,g, or c

<220>
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<222> (619)
<223> n equals a,t,g, or c

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ggcggttcagt cataatccca cagatggtag cttcgcccca ttggctcctc agccaagcac 120
atacaccaaa tgtctgaacc tgcggttcct ctcgtactga gcaggattac catggcaaca 180
acacatcatc agtagggtaa aactaacctg tctcacgacg gtctaannna aaaaaaaaaa 240
annnaaaaaa gaattcnaaa agcttctcga nagtncttct aaancggccg cgggcccac 300
nattttccac ccgggtgggg taccaggtaa gtgtacccaa ttgcacctat agtgagtcgt 360
attacaattc actggccgtc gttttacaac gtctgactg ggaaaaccct ggcgttacct 420
aacttaatcg ccttgacgca catccccctt tcgccagctg gcgtaatanc gaaaaaggcc 480
gcancgatcg cccttcccaa cagtttgccg ancctgaaat ggcgaatgga aatcaatttt 540

taantgttta atgntgttaa actactgaat ccnaattggt tggtgttttt taaaatcnca 600
gtcccaaggg tcatttcang gccctcaat 629

<210> 329
<211> 458
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
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<222> (86)
<223> n equals a,t,g, or c

<220>
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<222> (96)
<223> n equals a,t,g, or c

<220>
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<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (238)
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<220>
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<222> (262)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (267)

<223> n equals a,t,g, or c

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<222> (277)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (280)

<223> n equals a,t,g, or c

<220>

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<222> (285)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (295)

<223> n equals a,t,g, or c

<220>

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<222> (332)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (333)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (339)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (346)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (352)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (372)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (452)
<223> n equals a,t,g, or c

<400> 329
aatntaaaaa aaaaaaaaaa aaaaaaaaaa naaaaaaaaaa agggcgggcg ctctaaagga 60
tccaagctta cgtacgcgtg catgcnacgt catagntctg ctatagtgtc acctaaattc 120
aattcactgg cgtcggtttt acaacgtcgt gactgggaaa accctggcgt taccctaactt 180
aatcgccctg cagnacatcc ccctttcgcg agatggcgta atagcnaaaa ggcccgcncc 240
gatcgccctt cccaacagtt gngcagnctg aatggcnaaa gggangcgcc ctgtngcggc 300
gcattaagcg cggcggtgtt ggtggttacg cnnagggtta ccgctnact tnccancgcc 360
ctagcgcccg gncctttcgn tttcttccct tcctttctcg ccacnttcgc cggntttccc 420
cgtcaagctc taaatcgggg ggtccctttt anggttcc 458

<210> 330
<211> 453
<212> DNA
<213> Homo sapiens

<220>
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<222> (78)
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<220>
<221> misc feature
<222> (83)
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<220>
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<400> 330

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aaaaaaaaagg gcggccgntc tanaggatcc aagcttacgt acgcgtgcat gcnacgtcat 120
agctcttcta tagngtcacc taaattcaat tcaactggccg tcgttttaca acgtcgtgac 180
tgggaaaacc ctggcggttac ccaacttaat cgccttgag caccatcccc tttcgccagc 240
tggcgtaata gcgaaaaggc ccgcaccgat cgcccttccc aacagttgag cagcctgaat 300
ggcgaatggg acgcgccctg tancggngca ttaagcgagg cgggtgtggt ggttacgcgc 360
agcgtgaccg ttacacttgc cagcgcccta ncgcccgtc ctttcgtttc ttcccttnc 420
ttctcgnnac gttcgccggt ttccccgta agn 453
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<210> 331

<211> 498

<212> DNA

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<222> (361)

<223> n equals a,t,g, or c

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<222> (381)

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<222> (424)

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<222> (433)

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<222> (452)

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<222> (469)

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<222> (483)

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<400> 331

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ggcggccgct ctagaggatc caagcttacg tacgctgca tgcgacgtca tagctcttct 120
atagtgtcac cttaaattcaa ttcactggcc gtcgttttac aacgtcgtga ctgggaaaac 180
cctggcggtta cccaacttaa tcgccttgca gcacatcccc ctttcgccag ctggcgtaat 240
agcgaagagg ccgcaccga tcgcccttcc caacagttgc gcagcctgaa tggcgaatgg 300
gacgcgccct gtacggcgca ttaagcgcg cggtgtggt ggttacgccc agcgtnaccg 360
ntacacttgc cagcgcccta ncgccccgct centttcgtt ttctttccct ttccttttct 420
tggncacgtt tcncggggtt tttccccgct tnaaagcctt ttaaaatcng ggggggcttc 480
centttaag gggttccc                                498
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<211> 450

<212> DNA

<213> Homo sapiens

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<220>

<221> misc feature

<222> (328)

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<222> (335)

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<220>

<221> misc feature

<222> (338)

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<222> (358)
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<222> (368)
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<220>
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<222> (373)
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<220>
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<222> (374)
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<220>

<221> misc feature

<222> (397)

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<220>

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<222> (415)

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<220>

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<222> (417)

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<220>

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<222> (426)

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<220>

<221> misc feature

<222> (428)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (430)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (446)

<223> n equals a,t,g, or c

<400> 332

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ctttatccct aacatcactg tgaataatag tggatcctat acctgccacg ccaataactc 120
agtcactggc tgcaacaggg ccacagtcaa gacgatgcat agtcactgag ctaagtccag 180
tagtagcaaa gccccaaatc aaagccagca agaccacagt cacaggagat taaggactct 240
gtggaacctg gacctggttc cacaaaatgg aacttggnat cttccatecc gttgggttctt 300
tcaaaaaacc aggggntttc ccgtcctnng ggggnttnga aggtttntcc ccnggggnaa 360
aaaaccancc ttngngnntt aaancncttt tnaangnggg ggggtttttt gggangngtt 420
ttgggntntn ggggttttta aaccnctttg                                450
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<210> 333
<211> 434
<212> DNA
<213> Homo sapiens

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<222> (58)
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<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (218)
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<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (291)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
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 <222> (316)
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<220>
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 <222> (333)
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<220>
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 <222> (337)
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 <222> (382)
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<220>
 <221> misc feature
 <222> (399)
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<220>
 <221> misc feature
 <222> (405)
 <223> n equals a,t,g, or c

<220>
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 <222> (425)
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 tggcattgtg attggagtag tggccctggt tgctctgata gcagtagccc tggcatgtnt 120
 tctgcatttc gggaagaccg gcagctcagg accactccaa tgaccacact aacaagatga 180
 atgaagttac ttatnctacc ctgaactttg aagnccanca acccacacaa ccaacttcag 240
 cctccccatc cctaacagcc acagaaatna tttattccag aagtaaaaaa ncagtnatga 300
 aacctgggtc tgctcncctgc agtgccctgat gtntttncaa gtctctcacc ccccatcact 360
 aggaaattcc tttccctgt tngggtaaaag ggtggggana gaaancaatt tctcctactc 420
 tcctncctat agga 434

<210> 334
 <211> 612
 <212> DNA
 <213> Homo sapiens

<220>

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<220>
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<222> (437)
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<222> (455)
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<222> (474)
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<220>
<221> misc feature
<222> (482)
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<220>
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<222> (493)
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<220>
<221> misc feature
<222> (497)
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<222> (525)
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<222> (540)
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<220>
<221> misc feature
<222> (565)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (583)

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<220>

<221> misc feature

<222> (606)

<223> n equals a,t,g, or c

<400> 334

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tccccaaagt gcagtggcca cccgtgaac ttgttctgc ctgccacaat gaacgcctgg 120
atgtgcccg gtgggacgtg gaagccaccc tcaacttcct caaggccac ttctcccaa 180
gcaacatcat cctggacttc cctgcagctg ggtcaacttg cccgagggat gtgcagaatg 240
tggcaagccg ccccaaactg gcgatgggag ccctggagct ggaaagccgg aattcaactc 300
tggaccctgg gaagcctgag atgatgaagt cccccacaaa caccaccca catgtgccgg 360
ctganggacc tgaggcaagt cgacccccga agcttgacc ctggcctaaa acttgaccag 420
gccaggaacc ctctgancac aatggcaaaa gcttnaaagg aatgaaccag gaancaagcc 480
gntttgggca atnggnact ttgagccaaa gccgaagaac accanggggc ttggatttgn 540
tttggttta atttccaagg ggttnaaaaa aaaaaacccg gcnttttttg gggggccccc 600
tttttnggaa gg 612
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<210> 335

<211> 462

<212> DNA

<213> Homo sapiens

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<220>

<221> misc feature

<222> (337)

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<220>

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<222> (358)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (373)

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<222> (428)

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<220>

<221> misc feature

<222> (456)

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<400> 335

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agggtaagga aggaatgtgc tagaagtgct cctagtttct tgtaaaggaa gccagagttg 120
acagtacaaa gggtcgtggc cagccctgca gcttcagcac ctgccccacc cagagtggga 180
gtcaggtgga gccacctgct gggctcccc agaactttgc acacatcttg ctatgtatta 240
gccgatgtct ttagtgttga gcctctggat tctgggggtct gggccantgg ccatagtga 300
acctgggaat gaatgggtact tgaacatctg ggcttgnacg ccacaaggaa aggccaancc 360
catgtacccc aancattctt gccaaccctt gctctgggca ttccccggaag ggtcgatcct 420
taggcttngc tttaaaagcc cttgcccttg cctttntctt gg 462
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<210> 336

<211> 336

<212> DNA

<213> Homo sapiens

<220>

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<222> (175)

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<220>

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<222> (196)

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<220>
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<220>
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<222> (336)
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<400> 336
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aatgaattaa gaagcttcaa aaggcagctc tcctgaaagc ttctcccaa aaacacctgg 120
tactaagggt actgctgctg ctgctgctgc tgctgctgct gctgctaaan tccancnaaa 180
aanatcaccg cccganttaa aagntccncc caaaagtcct gcccaaaaan cccaggccaa 240
aaacacgctg ctccaaactc anaggtcaaa actcncccaa aaccctctcc aangctctgc 300
aaaaagctta ttgcatacnta aaattataag gtctnn 336

<210> 337
<211> 303
<212> DNA
<213> Homo sapiens

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<220>
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<222> (25)
<223> n equals a,t,g, or c

<220>
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<222> (28)
<223> n equals a,t,g, or c

<220>
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<220>
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<222> (49)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (50)
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<220>
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<222> (51)
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<223> n equals a,t,g, or c

<220>
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<222> (249)
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<220>
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<222> (256)
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<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (267)
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tgananngan aactcagtag aagataatgg caagtccaga ctggggatat gatgacaaan 120
atggtcctga acaatggagc aagctgtatc ccattgccaa tggaaatnac cagtcccctg 180
ttgatattnn gnccagtgaa accaaacatg acacctctct ganacctatt agtgtctcct 240
acaacccanc cacagnnaaa gaaattntcc aatgtggggg cattccttcc atgtaaattt 300
ttg 303

<210> 338
<211> 460
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (315)
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<220>
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<222> (409)
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<220>
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<220>
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<222> (454)
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<400> 338

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ttcagaaaaa gaaaactcag tagaagataa tggcaagtcc agactgggga tatgatgaca 120
aaaatgggtcc tgaacaatgg agcaagctgt atccccattgc caatggaaat aaccagtccc 180
ctgttgatat taaaaccagt gaaaccaaac atgacacctc tctgaaacct attagtgtct 240
cctacaaccc agccacagcc aaagaaatta tcaatgtggg gcattccttc catgtaaatt 300
ttgaggacaa cgatnaccga tcaagtgtct aaaggtgggc ctttctctga cagctcaggc 360
tctttcagtt ccattttcac tggggcagtc aaaatgagca tggggttaana acattccagt 420
ggmntggggag tcnaaatatt ctggccgagc tttnacgtaa 460
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<210> 339

<211> 416

<212> DNA

<213> Homo sapiens

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<222> (33)

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<222> (42)

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<222> (51)

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<222> (126)

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<222> (137)

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<222> (147)

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<222> (258)
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<220>
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<222> (267)
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<220>
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<222> (378)
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<220>
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<222> (403)
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<220>
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<220>
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<220>
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<400> 339

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ggcaaacaca acggacctaa gcactggcat aaggacttcc ccattgccaa gggaagagcg 120
ccagtncccc tgttganatc gacactnecat acagccaagt ntgaaccctt ccntgaaagc 180
ccctgtttgt ttcctatgaa tcaagcaact tccctgagga tcctcaacaa tggatcatgct 240
ttcaacgtgg gagtttgnat gactctnnag gacaaagcag tgcttcaagg gaaggacccc 300
tgggttgggc actttacaga ttggttttca ttttttcaat tttcaatggg gggtttcaatt 360
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<210> 340

<211> 362

<212> DNA

<213> Homo sapiens

<220>

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<222> (5)

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<221> misc feature

<222> (76)

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<222> (117)

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<222> (136)

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<222> (170)

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<222> (201)

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<222> (233)

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<222> (332)

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<222> (335)

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<222> (338)

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<220>

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<222> (357)

<223> n equals a,t,g, or c

<400> 340

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ataccaggtc aaacanttgc acctgcactg gtccgacttg ccatataagg gctcggngca 120
cagcctcgaa tggggngcac tttgccatgg gagatgcaca tagtacatgn gaaaagagaa 180
ggggacatcg aggaatgtga naanagggcc caggaaccct gaagacgaaa ttncggtgct 240
gggccttttt ggtgggaggc tgggaaccca ggtgaaacga gggctttcca gccactggtg 300
ggaggcactn tcttaatat ccccaaacct nnggntgnng cattacgatt ggcaganagg 360
ca
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362

<210> 341

<211> 328

<212> DNA

<213> Homo sapiens

<220>
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<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (152)
<223> n equals a,t,g, or c

<220>
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<222> (171)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (184)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (186)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c

<400> 341
aagcctttca agatgatccc cggagtgggtg gatgggggtct tcctgcccag gcacccccag 60
ganctgctgg cctctgccga ctttcagcct gtccctanca ttgttggtgt caacaacaat 120
gaattcggct ggctcatccc caagggtcatg angatctatg ataccagaa ngaaatggac 180
aganangcct ccangctgc tctgcagaaa atgttaacgc tgctgatttg cctcctacat 240
ttggtgacct gctgaaggaa gaattcattt gggganaatn gggatcccca aaacccccaa 300
acncatttcc nggaaaataa ttgcngaa 328

<210> 342
<211> 140
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<400> 342
aangggactt nccagtgatg cacccaagag ctntttatcc ccaacatcac tgtgaataat 60
aggggatccn atncgtgcc aagccataac tctacactgg ccttaatagg agcacagtca 120
cgaatatcnn agtctatgcn 140

<210> 343
<211> 477
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (421)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (463)
<223> n equals a,t,g, or c

<400> 343
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ttctccacag aggacaagca ggcagcagag accatggggt ccccttcagc ctgtccatac 120
agagtgtgca ttccctggca ggggctcctg ctcacagcct cgcttttaac cttctggaac 180
ctgccaaaca gtgccagac caatattgat gtcgtgccgt tcaatgtcgc agaagggaag 240

gaggtccttc tagtagtcca taatgagtc cagaatcttt atggctacaa ctggtacaaa 300
ggggaaaggg tgcattgcaa ctatcgaatt ataggatatt gtaaaaaata taagtcaaga 360
aaatgcccaa ggcccagac aacgtcgaga gacaintacc caatggaacc ttgtgttcca 420
nacgtaccac atgcnagga tttttcctca ctataaana aanttgatg agaatac 477

<210> 344

<211> 389

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

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<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

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<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
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<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<220>
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<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (201)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (379)

<223> n equals a,t,g, or c

<400> 344

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ctccaccgcg gtgcgaccgc tctagaacta gtggatcccc cgggctgcag gaattcggca 120
cgaggccggc cggggctggc acgnncgccg cggcggggnc tggaggcgcg accgggccc 180
cccagcggg aatcagaacg ncgccgagg gaccagatca acgccagcaa gaacgaggag 240
gacgcgggaa aaatgttcgt tgggtggcctg agctgggata ctagcaaaaa agatttataa 300
gactatttta cttaaatttg agaggtcgtt gactgtacaa taaaaatgga tcccaacact 360
ggacgggtcaa gaggggttng gtttatcct 389
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<210> 345

<211> 152

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (34)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (42)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (61)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (64)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<400> 345
tcgacccacg ngtcgggggc gcaccatggc ccgnggggct gngctggngc tgctgctctt 60
nggnetgctg ggtgttctgg tcgncgnccc ggatggtggg ttcgatttat ccgatgccct 120
tctgacaat gaaaacaaga aaccactgc aa 152

<210> 346
<211> 634
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (284)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (491)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (586)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (588)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (598)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (613)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (621)
<223> n equals a,t,g, or c

<400> 346
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catatcccaa gtcattctcag aaattgatgg taacaggatg accttgagcc aagaaggagc 120
acaagattcc ttccctcttc agcagaagat cttggtttgc tctttgatgc tcttgatcag 180
gcagttgaaa atcaaagagg tcaactctggg gaagttatat gaagcctaca gtaaagtctg 240
tcgcaaacag caggtggcgg ctgtggacca gtcagagtgt ttgncacttt cagggtcttt 300
ggaagccagg ggcatttttag gattaaagag aaacaaggaa acccgtttga caaagggtgtt 360
tttcaagatt gaagagaaaag aaatagaaca tgctctgaaa gataaagctt taattggaaa 420
tatcttagct actggattgc cttaaattct tctcttacac cccacccgaa agtattcaag 480
ctggcattta nagagctaca ggcttcattt taaggcttta cacattcggg cctgaaaaca 540
aatatgacct tttttacttg aagccaatga attttaatct atagancntt aaaattanca 600
cagaataata tcnttggggc ntactatttt accc 634

<210> 347
<211> 363
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (228)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (242)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (268)

<223> n equals a,t,g, or c

<220>

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<222> (319)

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<220>

<221> misc feature

<222> (322)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (323)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (324)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (325)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (328)

<223> n equals a,t,g, or c

<400> 347

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ggcacgagag gaatatggag aggctgactc ttgcttggtg tgggggtggcc ctgaattcctt 60
ttgaggacct aagtcctgac tgcttgggac atgcaggact tgtatatgag tatacattgg 120
gagaagttca cctttattga gaagtgtaac aaccctcggt ctatcacatt attgatcaaa 180
ggaccaaata agcccaact tagatcaaag atgcagtaaa gggatggnc tgnagggtctg 240
tncaaaaatg ctgttgatga tggctgtntg gttccgggtg ctggtgctgt ggaagtggca 300
atggcagaag ccctggatna annnnaantc catgtaaagg gcaaggcaca gttgggggtcc 360
agc 363

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<210> 348
<211> 388
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (205)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<400> 348
aatcggcac gagctgaagg ctagcaaacc gagcgatcat gtcgcacaaa caaatttact 60
attcggacaa atacgacgac gaggagtttg agtatcggtt agtgctggcg cgggagcaat 120
agcgagggtc gtgagctttg gccgctgagg gcacaaggaa ttagtaacag gaactgaggc 180
gatagaattg gcgcatgcgt atganacatg tcatgctgcc caaggacata gccaaagctgg 240
tccctaaaac ccatctgatg tctgaatctg aatggaggaa tcttggcggt cagcagagtc 300
agggatgggt ccattatatg atccatgaac cagaacctna aatnttgctg ttccggggcc 360
attnccagga accaaggaat tnagtttc 388

<210> 349
<211> 194
<212> DNA
<213> Homo sapiens

<220>
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<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (51)
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<220>
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<222> (57)
<223> n equals a,t,g, or c

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<222> (60)
<223> n equals a,t,g, or c

<220>
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<222> (67)
<223> n equals a,t,g, or c

<220>
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<222> (69)
<223> n equals a,t,g, or c

<220>
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<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (83)
<223> n equals a,t,g, or c

<220>
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<222> (91)
<223> n equals a,t,g, or c

<220>
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<222> (124)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
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<222> (140)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (180)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (191)

<223> n equals a,t,g, or c

<400> 349

gagttgttgc ctgggctgga cgtgggttttg tctgctgngc ccgctcttag ngctctngtn 60
taatttnang cagngcgcca gcnggatggt ncacaagcag atatactact cggacaagta 120
cttngangaa cactacgagn accgggatgg tatgttaccc agagaacttg acaaacaagn 180
acctaaaact natc 194

<210> 350

<211> 524

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

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<222> (11)

<223> n equals a,t,g, or c

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<222> (14)

<223> n equals a,t,g, or c

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<222> (17)

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<222> (29)

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<220>

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<222> (85)

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<222> (98)

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<222> (101)

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<220>

<221> misc feature

<222> (148)

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<222> (240)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (258)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (484)

<223> n equals a,t,g, or c

<400> 350

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ctagtgggtc ccccgggcct gcagnaattc ggagtgncg naaagcccta cggcgtcact 120
gcaatgtgct ggaactggga gcaagtgnca gcggctggac ggcattcctga gtcgagacca 180
ttccgattca cgggcgcggc aacttcccca cgctcgagct gcagccgagc ctgtatcgtn 240
aaggtggtgc ggcgggcgnt tgccgagaag cgcattcggcg tccgcgacgt gcgcctcaac 300
ggctcggcag ccagccatgt cctgcaccag gacagcggcc tgggctacaa ggacctggac 360
ctcatcttct gcgccgacct gcgcggggaa ggggagtttc agactgtgaa ggacgtcgtg 420
ctggactgcc tgttggactt cttacccgag ggggtgaaca aagagaagat cacaccactc 480
acgntcaagg aagcttatgt gcagaaaatg gttaaagtgt gcaa 524
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<210> 351

<211> 352

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (21)

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<220>

<221> misc feature

<222> (261)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (291)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (295)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (328)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (348)

<223> n equals a,t,g, or c

<400> 351

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ccttgcttaa tcgtagctgc aaagtcagac ctgcatgaag ttaaacaaga atacagtatt 120
tcacctactg atttctgcag gaaacacaaa atgcctccac cacaagcctt cacttgcaat 180
actgctgatg cccccagtaa ggatatcttt ggtaaattga caacaatggc catgtatccc 240
catgccgggt tacgctgtat ntgcacctgc aacagggtga cattttgcat ntgtnaaaac 300
ttcctcaact tatactttgc tgcaaantg gtaaaagaac aaaaatcntt tc 352
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<210> 352

<211> 632

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<400> 352

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ctctagaact agtggatccc cggggtgca ggaattcggc acgaggtgtg tcagaacaat 120
cttgaatcat gaagctacta accagagccg gctctttctc gagattttat tccctcaaag 180
ttgcccccaa agttaagcc acagctgcgc ctgcaggagc accgccacaa cctcaggacc 240
ttgagtttac caagttacca aatggcttgg tgattgcttc ttgggaaaac tattctcctg 300
tatcaagaat tggtttggtc attaaagcag gcagtagata tgaggacttc agcaatttag 360
gaaccaccca tttgctgcgt cttacatcca gtctgacgac aaaaggagct tcattcttca 420
agataacccg tggaattgaa gcagttggtg gcaaattaag tgtgaccgca acaagggaaa 480
acatggctta tactgtggaa tgcctgcggg gtgatgttga tattctaata gagttcctgc 540
tcaatgtcac cacagcacca gaatttcgtc gttgggaagt agctgacctt cagcctcagc 600
taaagattga caaagctgtg gcctttcaga at                                     632
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<210> 353

<211> 440

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (435)

<223> n equals a,t,g, or c

<400> 353

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ctttaactcc accattagca cccaaagcta agattctaata ttaaactatt ctctgttctt 60
tcatggggaa gcagatttgg gtaccaccca agtattgact caccatcaa caaccgctat 120
gtatttcgta cattactgcc agccaccatg aatattgtac ggtaccataa atacttgacc 180
acctgtagta cataaaaacc caatccacat caaaaccccc tccccatgct tacaagcaag 240
tacagcaatc aaccctcaac tatcacacat caactgcaac tccaaagcca cccctcacc 300
actaggatac caacaaacct accaccctt aacagtacat agtacataaa gccatttacc 360
gtacatagca cattacagtc aaatcccttc tcgtcccat ggatgacccc cctcagatag 420
gggtcccttg accancatcc                                     440
```

<210> 354

<211> 609

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<400> 354
aanenganac naaccctcac taaagggaaac aaaagctgga gctccaccgc ggtgcggccg 60
ctctagaact agtggatccc ccgggctgca ggaattcggc acgagccgga ggggtgtgtgt 120
tgggcaaagc cggaggagna ggaggacgat tgttttacgg atcccgtgat cggcccgtcc 180
ttctcccctt tccccctcc ctaccgcccc tgtcccgcgg gggagcggcg gcggccttgg 240
actttgctgt ctttcctcgc ggagacagat ttcaacacta cacttgaca atgtctttga 300
aaccaagagt agtagathtt gatgaaacat ggaacaaact tttgacgaca ataaaagccg 360
tggtcatggt ggaatacgtc gaaagagcaa catggaatga ccgtttctca gatattctatg 420
ctttatgtgt ggcctatcct gaacccttg gagaaagact ttatacagaa actaagattt 480
ttttgaaaa tcatgttcgg catttgcata agagagtttt ggagtcagaa gaacaagtac 540
ttgttatgta tcataggtac tgggaagaat acagcaaggg tgcagactat atggactgct 600
tatataggt 609

<210> 355
<211> 466
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (451)

<223> n equals a,t,g, or c

<400> 355

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gctccattat tgatcggttc atgcagaata attgtgtgcc caagaagatg ctgcagctgg 60
ttggtgtcac tgccatgttt attgcaagca aatatgaaga aatgtaccct ccagaaattg 120
gtgactttgc ttttgtgact gacaacactt atactaagca ccaaatacaga cagatggaaa 180
tgaagattct aagagcttta aactttggtc tgggtcggcc tctacctttg cacttccttc 240
ggagagcatc taagattgga gaggttgatg tcgagcagca tactttggcc aaataacctga 300
tggaactaac tatgttggac tatgacatgg tgcactttcc tccttctnaa attgcagcag 360
gagctttntg cttagcactg aaaattctgg gataatggtg aatggttatg cagcacctgg 420
ctaagaatgt agtcatgggt aaatcaaggn nttacaaagc acatgc 466
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<210> 356

<211> 447

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (269)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (375)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (380)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (436)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (440)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (446)

<223> n equals a,t,g, or c

<400> 356

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ggtgatgagg aggcttgtcc agaggacaag ggaccccagg acccacaggc actggcgctg 60
gacaccaga tccttgcaac ccctggaccc aaacccctgg tccgcaccag ccgggagcca 120
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gggaaggacg tcacgacctc aggggtactcc tccgtcagca ccgcaagtcc cacaagctcc 180
gtggacggtg gcttgggggc cctgccccaa cctacctcag tgctgtccct ggacagtgc 240
tcgcacacac agccctgccca ccatcaggnc aggaagtcac gtttacagtgc tcgtccccca 300
agtcccccg agagcagtgt tccccagcaa cagggtgaagc ggataaacta tgcatacaca 360
gtgaagagga ggacntgaan ctgggcttgc gaagctgtaa gtgtgtcagc acatttgcgc 420
agtggatttt actgangggg tgaagng 447

<210> 357

<211> 510

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (453)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (486)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (491)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (496)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (500)

<223> n equals a,t,g, or c

<400> 357

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gatgatgtgc ggggcgccct ccgcccacgc gccggccacc gccgagaccc agcacatcgc 120
cgaccaggtg aggtcccagc ttgaagagaa agaaaacaag aagttccctg tgtttaaggc 180
cgtgtcattc aagagccagg tggtcgcggg gacaaactac ttcacatcaagg tgcacgtcgg 240
cgacgaggac ttcgtacacc tgcgagtgtt ccaatctctc cctcatgaaa acaagccctt 300
gaccttatct aactaccaga ccaacaaagc caagcatgat gagctgacct atttctgac 360
ctgacttttg acaaggccct tcagccagaa gactgacaaa gtcacccctc gtctaccaga 420
gcgtgcactt gtgatcctaa aataagcttc atntccgggc tgtgcccctt ggggtggaag 480

gggcangatt ntgcantgn ttttgcat

510

<210> 358

<211> 240

<212> DNA

<213> Homo sapiens

<400> 358

ggtcttgac tcatgagctg tccccacatt aggcttaaaa acagatgcaa ttcccggacg 60
tctaaaccaa accactttca cgcctacacg accgggggta tactacggtc aatgctctga 120
aatctgtgga gcaaaccaca gtttcatgcc catcgtccta gaattaattc cctaaaaaat 180
ctttgaaata gggcccgat ttaccctata gcacccctc tacctcctct agagccaaaa 240

<210> 359

<211> 340

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (320)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (331)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (334)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (335)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (338)

<223> n equals a,t,g, or c

<400> 359

ggcagagct cataaggaaa tctacccta tgcattcag gaacttagac caactttaaa 60
tgaactggga atctccactc cggagggaact ggccttgac aaagtgtaaa ccgcatggat 120
gggcttcccc aaggatttat tgacattgct acttgagtgt gaacagttac ctggaaatac 180
tgatgataac atattacctt atttgaacaa gttttccttt attgagtacc aagccatgta 240
atggtaactt ggactttaat aaaaaggaaa tgagtttgaa ccggaaaaaa aaaaaaaaaa 300
aaaaaaaaaa aaaagaaan aaagaaggga nagnnaanaa 340

<210> 360
<211> 501
<212> DNA
<213> Homo sapiens

<220>
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<222> (147)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (244)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (455)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (465)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (491)
<223> n equals a,t,g, or c

<400> 360
cccacgcgtc cgcccacgcg tccgatgcct atcatatagt aaaacccagc ccatgacccc 60
taacaggggc cctctcagcc ctctaatga cctccggcct agccatgtga tttcacttcc 120
actccataaa gctcctcata ctaaggnnta ctaaccaaca cactaaccat ataccaatga 180
tggcgcgatg tnacacgaag aaagcacata ccaagggcac cacacaccac ctgtccaaaa 240
angncttcga tacgggataa tcctatztat tacctcagaa gtttttttct tcgcaggatt 300
ttctgagctt ttacactcca gcctagccct acccccaact aagaaggnac tggccccaac 360
aagnatcacc cgctaaatcc ctanaatcca ctctaaaca ctccgtatat cgatcaggat 420
atcatcactg actcacatat ctaatagaaa aaacngaaac aatantcanc atgnattatta 480
aatttatggt ntctatttac c 501

<210> 361
<211> 393
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (390)
<223> n equals a,t,g, or c

<400> 361
gccccattat tccatagaacc aggcgacctg cgactccttg acgttgacaa tcgagtagta 60
ctccccgattg aagcccccat tcgtataata attacatcac aagacgtctt gcactcatga 120
gctgtcccca cattaggctt aaaaacagat gcaattcccg gacgtctaaa ccaaaccact 180
ttcacgcgcta caccgaccggg ggtatactac ggtcaatgct ctgaaatctg tggagcaaac 240
cacagtttca tgcccatcgt cctagaatta attcccctaa aaatctttga aatagggccc 300
gtattttaccc tatagcaccc cctctacccc ctctagagcc aaaaaaaaaa aaaaagntnc 360
aagnttnaaa aaactgaaaa tcagaaaaagn ttt 393

<210> 362
<211> 664
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (535)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (551)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (567)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (642)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (660)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (662)

<223> n equals a,t,g, or c

<400> 362

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acgccctcat aatcattttc cttatctgct tcctagtccct gtatgccctt ttcctaacac 120
tcacaacaaa actaactaat actaacatct cagacgctca ggaaatagaa accgtctgaa 180
ctatcctgcc cgcatcatcc tagtcctcat cgccctccca tccctacgca tccctttacat 240
aacagacgag gtcaacgac cctcccttac catcaaatac attggccacc aatgggtactg 300
aacctacnaa gtacaccgac tacggcggac taatcttcaa ctccctacata cttccccatt 360
attcctagaa ccaggcgacc tgcgactcct tgacgttgac aatcgagtag tactcccgat 420
tgaagccccc attcgtataa taattacatc acaagacgct ttgcactcat gagctgtccc 480
cacattaggc ttaaaaacag atgcaattcc ccgacgtcta aaccaaacca ctttnaccgg 540
tacacgaacc nggggtatta ctacggncaa tgctctgaaa tctggggagc aaaaccacag 600
gttcatgccc atcgtcctag aaataaattc ccctaaaaat cnttgaaaaa aggggcccgn 660
antt 664
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<210> 363

<211> 595

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (466)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (467)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (485)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (515)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (552)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (557)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (559)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (568)
<223> n equals a,t,g, or c

<400> 363
gcgcaagtag gtctacaaga cgctacttcc cctatcatag aagagcttat cacctttcat 60
gatcacgccc tcataatcat ttcccttata tgcttcctag tctgtatgc ccttttccta 120
acactcacaa caaaactaac taataactaac atctcagacg ctcaggaaat agaaaccgtc 180
tgaactatcc tgcccgccat catcctagtc ctcacgccc tcccatccct acgcacccct 240
tacataacag acgaggtcaa cgatccctcc cttaccatca aatcaattgg ccaccaatgg 300
tactgaacct acgagtacac cgactacggc ggactaatct tcaactccta catacttccc 360
ccattattcc tagaaccagg cgacctgcga ctccttgacg ttgacaatc gagtagtact 420
cccgattgaa gcccccattc gtataataat tacatcacaa gacgtnttg cactcatgag 480
ctgtncaccac attaagctta aaaacagatg cattnccgga cgtctaaacc aaaccacttt 540
caccgatata cnaaccngng ggtatacnac cggatcaatgc ttctgaaatc ttgtg 595

<210> 364
<211> 441
<212> DNA
<213> Homo sapiens

<400> 364
acaagacgct acttccccta tcatagaaga gcttatcacc tttcatgac acgcccctcat 60
aatcattttc cttatctgct tccatgtcct gtatgccctt ttcctaacac tcacaacaaa 120
actaactaat actaacatct cagacgctca ggaaatagaa accgtctgaa ctatcctgcc 180
cgccatcatc ctagtccctca tcgcccctcc atccctacgc atcccttaca taacagacga 240
ggtcaacgat cctcccttt accatcaaat caattgggccc accaatggta ctgaacctac 300
gagtacaccg actacggcgg actaatcttc aactcctaca tacttcccc attattccta 360
gaaccaggcg acctgcgact ccttgacgtt gacaatcgag tagtactccc gattgaagcc 420
cccatcgtta taataattaa c 441

<210> 365
<211> 367
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<400> 365
cataacttccc ccattattcc tagaaccagg cgacctgcga ctcccttgacg ttgacaatcg 60
agtagtactc ccgattgaag cccccattcg tataataatt acatcacaag acgtcttgca 120
ctcatgagct gtccccacat taggcttaaa aacagatgca attccccggac gtctaaacca 180
aaccactttc accgctacac gaccgggggt atactacggt caatgctctg aaatctgtgg 240
agcaaaccac agtttcatgc ccatcgctct agaattaatt cccctaataaa tctttggaaa 300
tagggcccggt atttacccta tagcaccccc tctaccccct ctagagncaa aaaaaaaaaa 360
annagnn 367

<210> 366
<211> 460
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (211)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (378)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (415)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<400> 366
ttttcgaggc caacgatccc tcccttacca tcaaataaat tggccaccaa nggtaccgaa 60

cctacgagta caccgactac ggcggactaa tcttcaactc ctacatactt cccccattat 120
tcctagaacc aggcgacctg cgactccttg acgntgacaa tcgagtagta ctcccgattg 180
aaacccccat tcggataata attacatata nggacgtctt gcactcatga gctgccccac 240
attaggctta aaaacagatg caattcccgg acgtctaaac caaaccacta tcaccgctac 300
acgaccgggg gtatactacg gncaatgctc tgaaanctgn ggagcaaacc acagnntcat 360
gcccatcggc ctagaatnaa ttcccctaaa aatctttgaa atagggcccg nantnaccct 420
atagcacccc ctctaccccc tctagagcca aanaaaaaaa 460

<210> 367

<211> 610

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<400> 367

gcaagntgac acnaaccctc actaaagggga acaaaagctg gagctccacc gcggtgcggc 60
cgctctagaa ctagtggatc ccccgggctg caggaattcg gcacgaggga atggcggctt 120
ccatctctga ggcgagcgac gctatggatc ccacagtggg ttgctaagaa ggccattttc 180
aactctccac tggaggctgc tatggcgttc cctcacctgc agcagcccag ctttctactg 240
gctagcctga aagctgactc tataaataag ccctttgcac agcagtgccca agacttggtt 300
aaagtcattg aggactttcc agcaaagtct gaaccaatca gagtccttgt gactggagca 360
gctggtcaaa ttgcatattc actgctgtac agtattggaa atggatctgt ctttggtaaa 420
gatcagatgt catcgcaaca gataaagaag acgttgccct caaagacctg ggatgtggcc 480
attcttgtgg gctccatgcc aagaaggga ggcattggaga gaaaagattt actgaaagca 540
aatgtgaaaa tcttcaaata ccagggtgca gccttagata aatacggcaa gaagtcagtt 600
aaaggttatt 610

<210> 368

<211> 548

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (370)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (378)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (429)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (449)
<223> n equals a,t,g, or c

<220>
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<222> (471)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (490)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (495)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (528)
<223> n equals a,t,g, or c

<400> 368
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caccacctga atgcagagga aaatctctaa cttccaaggt cccaccaaca gttcagaaac 120
ctaccacagt aaatgttcca actacagaag tctcaccaac ttctcagaaa accaccacaa 180
aaaccaccac accaaatgct caaggtacag agactccatc agttcttcaa aaacacacca 240
cagaaaatgt ttcagctaca agaacccccc caactcctca gaaaccccacc acagtaaatg 300
tcccagctac aatagtcaca ccaacacctc agaaacccac cacattaatg ttccagttac 360
aggagtctcn tcaacacntc aagncacacc tagtaatgtt tcagttacag gncctaccac 420
ttttcgganc ccaccggggc aatgttcgnc accattcccg cgcgttcggc ntttctttca 480
aaaccttttn caagnccttt tgcgttagat cctgtggcat gttttgtnc cggcccttac 540
ggccaggt 548

<210> 369
<211> 538
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (449)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (466)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (521)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (531)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (538)
<223> n equals a,t,g, or c

<400> 369
gatggcgcg anccgggacg cgcgtacgcc ctgctgcttc tcctgatctg ctttaacggt 60
ggaagtggac ttcaacttaca ggtcttaagc acaagaaatg aaaataagct gcttcctaaa 120
cactctcatt tagtgcgcca aaagcgcgcc tggatcaccg ccccggtggc tcttcgggag 180
ggagaggatc tgtccaagaa gaatccaatt gccaaagatac attctgatct tgcagaagaa 240
agaggactca aaattactta caaatacact ggaaaaggga ttacagagcc accttttggt 300
atatttgtct ttaacaaaga tactggagaa ctgaatgtta ccagcattct tgatcgagaa 360
gaaacaccat tttttctgct aacagggttta cgctttggat gcaagaggga acaatgtaga 420
ganacccttt agagctacgc attaagggnt cttgatatcc aattgncaac ggaaccagtg 480
gttcacacag ggatgtcttt gttggggcct gttgaagagt ngaggtgcag nacatacn 538

<210> 370
<211> 538
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (401)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (492)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (500)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (536)
<223> n equals a,t,g, or c

<400> 370
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agtccgtggc cgggagcttg gaggctgagt ttgagaaagc tgcagaggag gttaggcacc 120
ttaagaccaa gccatcggat gaggagatgc tggtcatcta tggccactac aaacaagcaa 180
ctgtggggcga cataaataca gaacggccccg ggatgttgga cttcacgggc aaggccaagt 240
gggatgcctg gaatgagctg aaagggactt ccaaggaaga tgccatgaaa gcttacatca 300
acaaagtaga agagctaaag aaaaaatacg ggatatgaga gactggattt gggtactgtg 360
ccatgtgttt atcctaaact gagacaatgc cttgtttttt nctaataaccg tggatggtgg 420
gaatccggga aaataaccag ttaaacccag tactcaaggc tgctcaccat acggctctaa 480
cagattaggg gntaaaacgn ttactgactt ccttgagtag ttttacctga aaccantt 538

<210> 371
<211> 224
<212> DNA
<213> Homo sapiens

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<220>
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<220>
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<220>
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<220>
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<222> (171)
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<220>
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<222> (192)
<223> n equals a,t,g, or c

<220>
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<222> (204)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<400> 371
gcctgtgcct acacaccacc ntcgcngaaa gctgtgcagc gcattgcnga gtctcaccng 60
cagtctanca gcaatttgaa tgagaaccan gcctcagagg aggagganga gcngggggag 120
ctncggggagc tgggttatcc nagagaggaa gatgaggagg aagaggagga ngatgaagaa 180
gaggaagact angaggacag ccangctgaa gaccngagcg gaga 224

<210> 372
<211> 459
<212> DNA
<213> Homo sapiens

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<222> (52)
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<220>
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<222> (90)
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<220>
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<220>
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<220>
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<222> (208)
<223> n equals a,t,g, or c

<220>
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<222> (328)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

<220>
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<222> (429)
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<400> 372
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ggcatgaaca acattgacat gactggagan aagaagtcgt tgganctccc atatcccagc 120
agctttgctc ccgtctctnn acctagaaac cagaccttca cttacatggg caagtinctcc 180
attgaccctc agtaccctgg tgccagcngc taccagaag gcataatcaa tattgtgagt 240
gcaggcatct tgcaaggggt cacttcccca gcttcaacca cagcctcatc cagcgtcacc 300
tctgcctccc ccaaccctact ggccacanga cccctgggtg tgtgcaccat gtcccagacc 360
cagcctgacc tggaccacct gtactctccg ccancgcctc ctctctctta ttctggctgt 420
gcaggaganc tctaccagga cccttctgcg ttctgtta 459

<210> 373
<211> 422
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

<220>
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<222> (47)
<223> n equals a,t,g, or c

<220>

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<222> (60)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

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<222> (331)
<223> n equals a,t,g, or c

<220>
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<222> (351)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (393)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (401)

<223> n equals a,t,g, or c

<400> 373

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ccctcncggg tgcttctngt ttttaanact tccagatcga tcctntcctc ggtaccgtgg 120
gctttgggtc tggcctccac gggtagggcct tcaccctgaa agcagtttgc cgagaatgta 180
tgtgagccaa gttcgccgcc aagggggagg gccagttggg agcctgccga gcggggccaag 240
aaagtagagg acatgatgaa gaagctntgg ggtgacaggt gagccccggg gaatatggtg 300
ggggattcct gaaaactggg ggtagtgga ncaacgtagg ggcgtggtgt nctattcana 360
attggttcaa gccacaagt tttgcccaa atnttccctt ngggaccaac ttcccaagta 420
at 422
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<210> 374

<211> 342

<212> DNA

<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (17)

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<223> n equals a,t,g, or c

<220>

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<222> (24)

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<220>

<221> misc feature

<222> (292)

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<222> (301)

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<220>

<221> misc feature

<222> (305)

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<220>

<221> misc feature

<222> (325)

<223> n equals a,t,g, or c

<220>

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<222> (332)

<223> n equals a,t,g, or c

<400> 374

gcanaacatc	agcgcnnacn	gganataaaa	agattatcca	cagagcattc	cagtgtatca	60
gagtatcatc	cagccgatgg	ctatgcgttc	agtagcaaca	tttacacaag	aggatcccac	120
ctggaccaag	gggaagctgc	tgttgctttt	aagccaactt	ctaatcgcca	tattagattg	180
aaattatgaa	ccactccaaa	acacaaccca	agaaatatgc	ccaatcccag	ttatgacttt	240
gtttgccagg	ggaaacaaca	gttgagctct	ccgggttcct	taaggaatga	tnnttttaga	300
naatnccttg	aatgaatcg	gaaancatgg	tnaaaaagt	tt		342

<210> 375

<211> 387

<212> DNA

<213> Homo sapiens

<220>

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<222> (19)

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<220>

<221> misc feature

<222> (162)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (305)

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<220>

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<222> (365)
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<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<220>
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<222> (374)
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tatattgaga agaacgataa gctttgtcac atggacacaa ttgactggag ggacatcgtg 120
agggaccgag atgctgagat agtgggtgaag gacaatggca gnaagctgtc cccctgtca 180
tgaggtttgc aaggggcat gctgggggtcc tggatcagaa gactgccaga cattgaccaa 240
gaccatctgt gcttcctcag tgtaattggt cactgctttg gggcccaacc ccaaccagtg 300
gttgnatga tgagtgtggc cgggggttgt ttcanggcc cttcaggag acagactgtt 360
tttgnntggc cggnatattca atggaca 387

<210> 376
<211> 492
<212> DNA
<213> Homo sapiens

<220>
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<222> (110)
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<220>
<221> misc feature
<222> (203)
<223> n equals a,t,g, or c

<220>
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<222> (318)
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<222> (333)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (336)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (405)

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<220>

<221> misc feature

<222> (416)

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<221> misc feature

<222> (440)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (444)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (448)

<223> n equals a,t,g, or c

<400> 376

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ttggatgata aattcagtaa agatacaggc ataatcctta tatgcaaatn agttgatggg 120
tattttctat ggtgatttca gacaaggaac ctgcagggtca ctctggaaga tgggttacatt 180
gaattgagca ccagcgatag ggncggccca atttttaaat ctccacagac gtatatggat 240
ggtttactgc attatgtatc tgtaataagc gacaactctg ggtgagtcga ataaatactt 300
ctgtcagagc tgtgagtnga gttttactct ctnttngttt taatggaatt ttctgggtgc 360
tttttgcaaa aaatttggtc ttgattacca aaaatacttt cactnataag tcttgncctt 420
ctttcctttt ttcccatatn caanttttct tcataaaaaa aataaacttg ccacacatgg 480
gtgggcttca tt                                     492
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<210> 377

<211> 336

<212> DNA

<213> Homo sapiens

<220>

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<222> (4)

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<220>

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<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (36)

<223> n equals a,t,g, or c

<220>

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<222> (66)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (70)

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<220>

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<222> (116)

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<220>

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<222> (163)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (197)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (227)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (229)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (231)

<223> n equals a,t,g, or c

<220>
<221> misc feature
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<220>
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<220>
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<222> (292)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
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<222> (325)
<223> n equals a,t,g, or c

<400> 377
gaacgtaccg tccnaatcc cgggtcgacc cagcgtccg aagcagcagt tagcccgccg 60
cccgcntgtn tgtccccaga gccatggaga gagccagtct gatccagaag gccaanctgg 120
cagagcaggc cgaacgctat gaggacatgg cagccttcat ganaggcgcc gtggagaagg 180
gcgaggagtc tcctgcnaag agcgaaacct gctctcagta gcctatnana ncgtggtggg 240
cggccagang gctgcctgga ggggtgctgtc cagtattgan cagaaaagca angaggaggg 300
gttcgganag gagaaggggc ccgangtgcg ttgaat 336

<210> 378
<211> 488
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (9)
<223> n equals a,t,g, or c

<220>
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<222> (20)
<223> n equals a,t,g, or c

<220>
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<222> (35)
<223> n equals a,t,g, or c

<220>
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<222> (43)
<223> n equals a,t,g, or c

<400> 378
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tgcccttgctc ggaaggggggc gagcggctgc tgcccaccca gaagcagccc gggggcggcc 120
aggtcaactc cagccgctac aagacggagc tgtgccgccc ctttgaggaa aacggtgcct 180
gtaagtacgg ggacaagtgc cagttcgcac acggcatcca cgagctccgc agcctgacct 240
gccaccccaa gtacaagacg gagctgtgcc gcacctcca caccatcggc ttttgcccct 300
acggggccccg ctgccacttc atccacaacg ctgaagagcg ccgtgccctg gccggggccc 360
gggacctctc cgctgaccgt ccccgccctcc agcatagctt tagtttgctg ggtttcccag 420
tgccgctgcc accgcccgtg ccaccgggct gctggacagc ccacgtccat caaccaacc 480
cctatttt 488

<210> 379
<211> 398
<212> DNA
<213> Homo sapiens

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<222> (46)
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<222> (124)
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<222> (344)
<223> n equals a,t,g, or c

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<222> (385)

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<220>

<221> misc feature

<222> (386)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (394)

<223> n equals a,t,g, or c

<400> 379

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ctgccctccg tgcctctctg ctgccgcagt cgctggcggc ggccggccgcg tccccgacgc 120
gcantaacag ccaggagtcc aaaactactt acctggaaga ccttccacca cccctgagt 180
atgaattggc cccgtccaag ttagaagagg aagtggatga tgtctttctc attcgagctc 240
aaggactgcc ctgggtcatg gcactatggg aagatgtggc tttaactttt tttttccaga 300
cttgacagaat ccggcaacgg ttgagtaatg ggaattacat ttttctccct aaaaacaaga 360
gatgggggaa aacgtaaggg ggtnnntggc cttnaatt 398
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<210> 380

<211> 455

<212> DNA

<213> Homo sapiens

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<220>

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<222> (365)

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<222> (421)

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<222> (442)

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<221> misc feature

<222> (447)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (448)

<223> n equals a,t,g, or c

<400> 380

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tcgtgtcccg cccaccgag aaaaccgtct tcaccgtctt catgctagct gcctctggca 120
tctgcatcat cctcaatgtg gccgaggtgg tgtacctcat catccggggc tgtgcccgcc 180
gagccagcg ccgctccaat ccaccttccc gcaagggctc gggcttcggc caccgcctct 240
cacctgaata caagcagaat gagatcaaca agctgctgag tgagcaggat ggctccctga 300
aagacatact gcgcncaacc ctggcacggg ggctgggctg gctgaaaaaa acgaccgtgc 360
tcgngtgtga tgccacatac caggcaacct cccatccac cccgacctg cctgggcgaa 420
nccctccttc tccctgccgg tnccanngg ctcac 455
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<210> 381

<211> 421

<212> DNA

<213> Homo sapiens

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<222> (3)

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<220>

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<222> (156)

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<222> (387)
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<222> (398)
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<220>
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<222> (410)
<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<220>
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<222> (421)
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<400> 381
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gggtgaagcg gccaggtga ggctcgccat ggccaaacag ctgcaggccc gaagctagac 120
gggatcgact acaaccctg ggtggagttt gtgaantggc cagtgagcat gacgtcgtga 180
acttgggcca nggcttcccg gatttccac caccagactt tgccgtggaa gcctttcagc 240
acgtgtcag tggagacttc atgcttaacc agtacaccaa gacatttggt taccaccac 300
tggacgagga tcctggcaat ttctttgggg gagctgctgg gtcaaggata agaccggttc 360
agggatgtgc tggtgactgt tgggtgntat gggggccngt ttcaaaagcn ttnccaggcc 420
n 421

<210> 382
<211> 545
<212> DNA
<213> Homo sapiens

<220>
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<222> (5)
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<220>

<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
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<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (466)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (505)
<223> n equals a,t,g, or c

<400> 382
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ctctagaact agtggatccc ccgggctgca ggaattcggc acgagcggcg gcggcggcgg 120
cgccccagtc ggtgtatgcc ttctcggcgc gcccgctggc cggcggggag cctgtgagcc 180
tgggctccct gcggggcaag gtactactta tcgagaatgt ggcgtccctc tgaggcacca 240
cgggtccggga ctacacccag atgaacgagc tgcagcggcg cctcggaccc cggggcctgg 300
tggtgctcgg cttcccgtgc aaccagtttg ggcattcagga gaacgccaag aacgaagaga 360
ttctgaattc cctcaagtac gtccggcctg gtggtgggtt cgagcccaac ttcattgctct 420
tcgagaagtgc cgaggtgaac ggtgccccgg cgcaccctct cttcgncttc ctgccccagg 480
ccctgccagc tcccagcgac gacgncaccg cgcttatgac cgaccccaag ctcattcacct 540
ggtct 545

<210> 383
<211> 375
<212> DNA
<213> Homo sapiens

<220>
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<222> (224)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c

<220>
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<222> (333)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<400> 383
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gatttcaata cgtctcgggg cagggccgtg ctgattgaga atgtggcttc gctctgaggc 120
acaaccaccc gggacttcac ccagctcaac gagctgcaat gccgctttcc caggcgcctg 180
gtggtccttg ggcttccctt gcaaccaatt tgggacatca gganaactgt caaaatgagg 240
anaccttgaa cagtctcaat tatnttccgt cctgggggtgg gnataccaac ccccttccc 300
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gagagacaga agtagcaaac cctctttcga gatgtccctc cagccccaga agtacctnca 180
gcctcacacc atctcttcag cctagcaagt tgctggaggg agtctataac ctaccaggag 240
ccagccagcc atttgatca agaaatagaa atctgcaggg tacagtggct cacacctata 300
atcccagcgc tttgggaggc taagttctag gacaaaggca aggaagaaaa gcangaactt 360
naaaatccaa ttccttttgg gncttnaaat ttaaccttca agttcaaggg agctnaagta 420
aggcanaagg ccaaanggct ttttacttna acaacaacgg tgccaatttg gaaaggcaag 480
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tgacgatctc gaggacctgg aagaagcaga ngagccagac atggaggaag acgatgatca 180
gaaagctgtg aaagatgaac tgtaatacgc aaagccagac ccgggcgctg ccgagacccc 240
tcgggggggct gcacaaccag cagcagcgca aggtttccga gccttgnggg ctcggtttga 300
aaagaagggn tngccgggaa acccagggna actctctnga agttganact ncancctag 360
aaaacgtccg ttnaaccctg ttncctttctt ctgcttttcg ggtttttgga aaagggattc 420
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acagaaattg gcgtgttagc caaggctttc attgaccaag ggaaactcat cccagatgat 180
gtcatgactc ggctggccct tcatgagctg aaaaatctca cccagtatag ctggctgttg 240
gatgggtttc caaggacact tccacaggca gaagccctag atagagctta tcagatcgac 300
acagtgatta acctgaatgt gccctttgag gtcattaaac aacgccttac tgctcgctgg 360
attcatcccg ccagtggcgg agtctataac attgaattca accctcccaa aactgtgggc 420
attgatgacc tgactgggga gcctctcatt cagcgtgagg atgataaacc agagacgggt 480
atcaagagac taaaggctta tgaagaccaa acaaagccag tcctggaata ttaccagaaa 540
aaaggggtgc tggaacatt ctccggaaca gaaaccaaca agatttggcc ctatgtatat 600
gcttttctac aactaaagtt ncacaaagaa gccagaaagc tttaattact tcatgaggag 660
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ctgctgggtg ctggagaatc tggtaaaagc accattgtga agcagatgag gatcctgcat 180
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gctggncaac cccgagaaac cagttcagag tggactacat cctggagtgt tatgaacgtg 360
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tagcaacccg aactttccag aagaactcaa gcctctctgc aagagcccaa tgcccaggag 180

ntanttcaga ggctggagga aatcgctgna ggacccgggg cacatgtgga aatctgtgcn 240
tacgctggcc tgtaccgat gctaagggg cttgccactg gcnggcntcc cntccgcagc 300
aggggaagnc ttttctntct gcagaaagg ccacccatga tattccattc cccagcagtt 360
caactaacnt ggttccattc gggaaggagc agccggggaa gnattgggtt gattggaagg 420
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gcgccccctc tctgaagaat gcagccttcc taggtccagg gaccctatgt actcggaact 240

gggcttatct tgtacgcttt atccaaagaa atatatgtga ttagcgcaga gaccttcact 300
gccctatcag tactagggtg aatgggtctat ggaattaaaa aatatgggtcc ctttgttgca 360
gactttgctg ataaactcaa tgagcaaaaa cttgccccaac tagaagaggc gaanagngct 420
tccatccaac acatccagaa tgcaattgat acggagaagt cacaacaggc actggttcag 480
aagcgccatt accttttttg atgtgcaaag gaataacatt gctatggctt tggaagttac 540
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<212> DNA

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acaaaatccg gtatgaaagc ttgacagatc ccagtaaatt agactctggg aaagagctgc 360
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gaatgaccaa ggctgacttg atcaataacc ttggtactat cgccaagtct gggaccaaag 480
cgttcatgga agctttgcag gctggtgcag atatctctat gattggccag ttcggtgttg 540
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caaataattt cagttgcccc tacaaaaatc cttactgnag atagaagcca taaaaatggt 540
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aatggtaaca gccagaagga catcctggag gagaaagcgg gcagtgccgg aacaggatgt 240
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aatatccagc ctcaagttcg gttttcgcta ccggagcctt cccagaacaa actttcttg 180
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tctacgcggc cggctatggg ctcgagccgn gttccttcaa catgcaactgc gcgccctttg 360
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 ccagnccctgg aaacagcgcc tcgggatgnc cagctgatca aggagctggg gnttcggctg 180
 ctctatgctg gcgttggaga ccagggccag ncctggccac aantnaggct gtgtcacctt 240
 cgttctgaat gaccacagca tggccttcac tggagatgcc ctgttgatcc gtgggtgtng 300
 gcggacagac tttcagcaag gctgttgcca agaccttgta accattcggg ccatgaaaag 360
 atctttcaaa atttccagga gactgtcttg atctaacctg gttcaagggt accatggggg 420
 ttaaantgtt caacgtggag gnngnggagg acttttnaaa cccttggttn aaccttnaat 480
 tttnaggagt ttttcaaaa 499

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tttcttttta acccctatct gaccaggaaa agaagaatcg aggtttccca cgccctagcc 180
ctcaccgaga gacaggtaaa aatctggttc cagaacagga gaatgaaatg gaaaaaggaa 240
aacaacaagg acaaatttcc cgtttcccg gaggaggtga aggacgggga aacgaaaaag 300
gaagcccaag agctggagga agacagagcc gaaggcctga caaattaact tctaccttta 360
aaattttacca cagactatta aaactaataa tcaccatatg ctgtggacac cacctatttt 420
ctttggtgga aaggacctta cctgngtttc aagctacctt catgtcactg gtcttgaggg 480
tttctgggct tttagagagg antttggngg tttaaaaang ttntag 526

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<400> 397

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gctttttcccg ttggggccga agtaccttcc ctgnngcggc gactcagcgg ggtgtcgttc 120
ggccggcgctg acgcagccgg atcggcgcca gacggaaacc tagcggtgac tgtatctgaa 180
ttttgcagct gcagaatgtg tagtacctta aaagggttggc aacaatgagt aaaccagaat 240
taaaggaaga caagatgctg gaggttcact ttgtgggaga tgatgatgtt cttaatcaca 300
ttctagatag agaaggagga gctaaattga agaaggagcg agcgcacttt tgggtcaaccc 360
caaaaaaata ataaagaagc cagaatatga tttggaggaa gatgaccagg aggtcttaaa 420
agatcagaac tatgtggaaa ttn                                     443
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<211> 652

<212> DNA

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tcntggnga ctggtggnct tggcgtnct ncggtgtn agnacctcat ntatngcac 120
tttaccaaag cggntgaaaa ttgtggaagt tgggtcccgga gatggactac aaaatgaaaa 180
gaatatcgta tctactccag tgaaaatcaa gctgatagac atgctttctg aagcaggact 240
ctctgttata gaaaccacca nctttgagtc tctaagtgg gttccccaga tgggtgacca 300
cactgaagtc ttgaagggca ttcanaagtt tcttggcatc aactaccag tcctgacccc 360

aaatttgaaa ggcttcgagg cancggnacc atgactnctg tgaggatgca gcactccctg 420
gcaggtcaga cctatgccgt gcccttcac cagccagacc tgcggcgaga ggaggccgctc 480
cagcagatgg cggatgccct gcagtacctg cagaaggctc tggagacatc ttcagcaagt 540
gggtgctgnc actcaccccc acctgatgag agggccatnc ctgtctgggc aatnccagca 600
acacancctt tgggagcaan ccccttgggg aatcccggnc tggggaaccc at 652

<210> 399

<211> 341

<212> DNA

<213> Homo sapiens

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<222> (84)

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<222> (137)

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<222> (302)

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<222> (310)

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<222> (332)

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aaccaaggct tccctttacc tctncaactca caatgggaac atgtacacct catccctgta 120
cgggtgcctg gcctcgnttc tgtcccacca ctntgcccac gaactggctg gctccaggat 180
tggtgccttc tcttatggct ctggtttagc agcaagtttc ttttcatttc gagtatcccg 240

tctaaagggtg ttctgcagat ccatggaaaag cttctgggaa acgtatgcta gcagagcttc 300
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 <212> DNA
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<220>
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 <222> (484)
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<220>
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 aggaaagggtt aaaaaaagta aaaggaactc ggcaaactct accccgcctg tttacaaaaa 180
 acatcacctc tagcatcacc agtattagag gcaccgcctg cccagtgaca catgtttaac 240
 ggccgcggta ccctaaccgt gcaaaggtag cataatcact tgttccttaa atagggacct 300
 gtatgaatgg cttcacgagg gttcagctgt ctcttacttt taaccagtga aattgacctg 360
 cccgtgaaga ggcggcatga cacagcaaga cnaagaagac cctatggagc tttaatttat 420
 taatgcaaac agtacctaca aaccacacagg tcctaactac caaacctgca ttaaaaaaatt 480
 cggntggggc gacctcggac anaaccaanc tccagcagta catgctaaac ttaccagcaa 540
 acgactatat ctaattganc atacttgaca aggacaagta cctaggaaca ggnaatcttt 600
 ttaa 604

<210> 401
<211> 519
<212> DNA
<213> Homo sapiens

<400> 401
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ctcttacttt taaccagtga aattgacctg cccgtgaaga ggcgggcata acacagcaag 120
acgagaagac cctatggagc ttttaatttat taatgcaaac agtacctaac aaaccacag 180
gtcctaaact accaaacctg gcattaaaaa ttctgggttg ggcgacctcg gagcagaacc 240
caacctccga gcagtacatg ctaagacttc accagtcaaa gcgaactact atactcaatt 300
gatccaataa cttgaccaac ggaacaagtt accctaggga taacagcgca atcctattct 360
agagtccata tcaacaatag ggtttacgac ctcgatgttg gatcaggaca tcccgatggg 420
gcagccgcta ttaaagggtc gtttgttcaa cgattaaagt cctacgtgat ctgagttcag 480
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<212> DNA
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cggtagacgtg aaactgcgaa tggctcatta aatcagttat gggtcctttg gtcgctcgt 120
cctctcctac ttggataact gtggtaattc tagagctaata acatgccgac gggcgctgac 180
ccccttcgcg ggggggatgc gtgcatttat canatcanaa ccaacccggt canccctct 240
ccggccccgg ccgngggcg gcgnc 265

<210> 403

<211> 325

<212> DNA

<213> Homo sapiens

<220>

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gatataaaga cctgaagata gtcttttctg tccaaagatg gaaaacagta ctactaccat 120
ttctcgggag gagcttnnag aactacaaga ggcatttaata aaaatagata tnnacaatag 180
tgggtatgtc agtgactatn aacttcaaga cctgtttaag gaagcaagcc ttcctctgcc 240
tggctacaag gtgcgcgaga ttntggagaa aattctatca gttgctgaca gcaacaaaga 300
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<211> 540
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<222> (526)
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atccctccat tcccatcttt ccccagcaat taccagctct ggctgggtcg ccacaacttg 180
tttgacgacg aaaacacagc ccagtttggt catgtcagt agagcttccc acaccctggc 240
ttcaacatga gcctcctgga gaaccacacc cgccaagcag acgaggacta cagccacgac 300
ctcatgctgc tccgcctgac agagcctgct gataccatca cagacgctgt gaaggctggg 360
aagttgccc aagaggaacc cgaagtgggg gagcacctgg ttggcttccg gctggggcaa 420
gcattgaacc agaagaattt cttaatttca gaagatcttc aaatggtgng ganccttcaa 480
aatcctgnc taaaggaata aatggcgaaa aaagcccaac gttcanaaag gtggacngga 540

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cgaggtggtg cgctgtctgt ctgagcagag cgtnggccat ctgcgcgtgc gccggggggc 120
cggggcgcgc ctgcctgccc tgctggacga gcagcaggta aacgtgctgc tctacgacat 180
gaacggctgt tactcacgcc tcaaggagct ggtgccccacc ctgccccaga accgcaagtg 240
aagcaagggtg gagattttcc agcacgtcat cgactacatc agggacttta atttgnantt 300
naatcggant ccnaatttg 319

<210> 406
<211> 355
<212> DNA
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<222> (321)
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<220>
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<222> (325)
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ccacgtgaaa gcactacacg attccnagcc aggatgtaac tgtgcccctg ccagttccc 120
ncancttccc catgctgccca ncccngattn tggctgaaac gaccggccct ngaggacctg 180
gtcttaggtt cagaagcgaa gcatcacgtg acacantgac cggcctgaga gaatgcctct 240
ggtgaccact ntnacctggg acgccnttaa agtgggaaga gcncctgttc aaggaccacc 300
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<210> 407

<211> 437

<212> DNA

<213> Homo sapiens

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<222> (412)

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<221> misc feature

<222> (430)

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<221> misc feature

<222> (435)

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<400> 407

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cccatgccca tcatgccag cacctgaatt tcctgggggg accatcagtn ttctgttcc 120
ccccaaaacc caaggacact ctcatgaatc tcccggacct ctgaagggtca cgtgcgtggt 180
ggtggacgtg aagccaggga agaccccgag gtccagttca actggtacgt ggatggcgtg 240
gaggtgcata atgccaagac aaagccgcgg gnggagcagt tcaacagcac gtaccngtgg 300
ttcagcgtcc ttcaccgtcc tgcaccagga tggcttgaac ggcaaggag ttacaagtgg 360
caaggttttn caacaaaggg cttcccgtnc ttcttgggg aaaaccttt tncaaaggcc 420
aaggggcagn cccgngg                                     437
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<210> 408

<211> 310

<212> DNA

<213> Homo sapiens

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<222> (137)

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<222> (277)

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<222> (294)

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<400> 408

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ggcgaaagga ccacggtcac cgtctcctca gcctccacca anggcccatc ggtcttcccc 120
ctggcgccct gctccangaa cacctccgaa aacacagcgg ccctgggctg cctggtcaag 180
gactacttcc ccgaaaccgg tgacggtgtc ttggaactca gggggctctg accagcgggg 240
tgcacacctt cccagctgtc ctacagtcct caggaancta ctccctcanc accntggnga 300
cgntgcctcc                                     310
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<210> 409

<211> 421

<212> DNA

<213> Homo sapiens

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<222> (74)

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<222> (235)

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<400> 409

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actctggctc ccanatacca ctggagaaat actgatgacg cagtctccag ccaccctgtc 120
tgtgtctcca ggggaaagag tcaccctctc ctgcagggcc gggcagagtg ttacagcaa 180
cttagcctgg tatcagcaga aacctggcca ggctcccagg ctctcatgt atggntcatc 240
caccanggcc actgatgtcc cagtcagggt cagtggcant gggctctggga cagagttcac 300
tctcaccatc agcagcctgc agtctgacga ttctgcagtc tatttntgtc agcagtatat 360
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<211> 448

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ggctacatca aacttcgcaa gattcgagca gcccagaata tctccaagac gatcgccaca 180
tcacagaatc gtatctatct cacagctgac aaccttgtgc tgaacctaca ggatgaaagt 240
ttcaccaggg gaagtgcag cctcatcaag ggtaagaaat ggcctagtc accaagaact 300
ccacccccag aggaagtgga tctgcttctc cagttttgga gnaccaccag ggggtccagaa 360
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<210> 412
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tccagtgtga agtgcagctg gtggagtctg ggggagccgt agtacagcct ggggggtccc 180
ttagactctc ctgtgaagcc tctggattca cctttgacaa ttatgccatg cactgggtcc 240
gtcaagctcc gnggaagggt ctggagtggg tctgtctcat cagtcgggat ggtcgtaaga 300
catattttgc agactctatg aagggtcggg tcaccatctc cagagacaac agcaaaaact 360
gcctgtatct ccaagtgaac agtctgagag ttgaggacac cgncttgtat tactgtgcaa 420
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<210> 413
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tgagctgggt ggagtctggg ggaggcttgg tccaagccgg ggggggtccct gagactctcc 180
tgngcannct ctggcttccc cttttataac catgggatga cctgggtncg ccaggctcca 240
nngaaggggc tggaatgggt ggccaccata cagtggatg aaactganaa atactatgtg 300
gactctgtga agggccgatt caccatct 328

<210> 414
<211> 575
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gtgcagctgg tggagtctgg gggaggcttg gtacagccag ggcggtccct gagactctcc 180
tgtacaactt ctggattcac ctttggagat tattctatga gctgggtccg ccagggtcca 240
gggaaggggc tggagtgggt aggtttcatt agaagcaaag cgcattggtg gacaacagaa 300
tacgccgcgt ctgtgaaaag gcagattcac catctcaaag agatgattcc acaggcatcg 360
nctatctggc aaatgaacag cctgaaaccg aggacacaga cattattact gtctagacat 420
gactacaggc acacccttg ctactggggg cagggaaccc tggtcaccgn cttctctggc 480
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<210> 415
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<212> DNA
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cgccaagttg caggaaaang tctggaatgg gtctcangta ttgacccctgc tggtaacaca 180
aactatccan gctccgtgaa nggccgattc atcatctcca gagaaaatga caagagctcc 240
tcgtatcttc aaaatgaatg ggctgacanc cggggaaaac ngtgtgtaat attgtnnaaa 300
nanaaattgc anttccctggg aantgggtan ntncgatctc ttggggccgn nggaancctt 360
ggttaaatgt nttcctcaag aattnccccga accaagnccc caaagggttt tcccgcctta 420
ancctttgaa aaagaaac 438

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<222> (474)
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accattacca gggacacatc cacgaacaca gcctacatgg atctnagcag cctgagatct 120
gaagacacgg ctgtnatatta ttgtncgagg ggattttttg gggaccgtga ttactactac 180
tactactaca tggacgtctg gggcaaagg accacggtca ccgtctcctc agcatccccg 240
accagcccca aggtcttccc gctgagcctc tgcagcacc agccagatgg gaacgtggtc 300
atgcctgct tngtccaggg cttcttcccc caggagccac ttcagtgtgg acctggagcg 360
aaagggnaca gggcgtgacc gccagaaaat tcccaccag ccaggatgcc tccgggggac 420
ctgtacanca cgagcagcca gctgaccctg ncggnacaaa gtgccttagc cggnaagtn 480
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<210> 417
<211> 427
<212> DNA
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tctgggacag atttcactct caccattagc agtctgcaac ctgaagattt tggcacttac 180
ttctgtcaac agaattacaa tgtcccgtgg aacgttcggc caggggaacn aangtggaaa 240
atgaaaccga actgtggctg caccatctgt cttcatcttc ccgccatctg atgagcagtt 300
gaaatctgga actgcctctg ttgtnttgcc tgctgaataa cttctatccc anaaaaggcc 360
aanttcattg gaaggtggat aacccccncc atcggttact cccggaaaat ntcccaaacc 420
ggacgcn 427

<210> 418
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<212> DNA
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tgaccttcct angtcagccc aaggctgccc cctcggtcac tctgttcccg ccctcctctg 180
angagcttca agccaacaag gccacactgg tgtgtctcat aaatgacttc taccgggaa 240
gccgtgacag tggnctggaa angcagatan caaccccggt cnaggcggaa ttggganaaa 300
caaccaca                                     308
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<210> 419

<211> 482

<212> DNA

<213> Homo sapiens

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tgtgctgacg cagccgccct cagtgtctgg ggccccaggg cagagggta ccatctcctg 180
cactgggagc agctccaaca tcggggcagg ttatgatgta cactggtacc agcagcttcc 240
aggaacagcc cccaaagtcc tcatctatgg taacagcaat cggccctcag gggtccttga 300
ccgattctct ggctccaagt ctggcacctc agcctccctg gccatcactg ggctccaggc 360
tgaagatgan gttgattatt actgccagtc ctatgacagc agcctgggtg gttcgggtgt 420
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<210> 420
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ccccgggcag aggggtcacca tctcttggtc tggaagcagc tccaacatcg gaactaatta 180
tgtatactgg taccagcagc tcccaggaac ggccccgaa gtcctcatct ataagaatga 240
tcagcggccc tcaggggtcc ctgaccgatt ctctgggtcc aagtctggca cctcagcctc 300
cctggccatc ggtgggctcc ggtccgagga tgaggctgat tattactgtg catcatggga 360
tgacagcctg agtgggtccg tcttcggcgg agggaccaag ctgaccgtct tgggtcagcc 420
caaggctgcc ccctcggnca ctctgntccc gncctnctnt ga 462

<210> 421
<211> 435

<212> DNA
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<221> misc feature
<222> (423)
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cgaccctccg ggatccctga gagattctct ggctccacct cagggacatt ggccaccgtg 180
attatcagtg gggcccaggt ggacgatgat actgacttct actgtcagtc aacacacagt 240
agtaataatg gtaggtccgt atgtcttcgg aactgggacc aaggtcaccg tccttggtca 300
gcccgaaggcc aacccaatg tcantctgtt cccggcctcc tctgaaggag nttcaagcca 360
aacaaaggca cactaagtgt gtctgatcag ngagttttaa ccgggaagtg tgaaantggg 420
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angacagacg gccangatca cctgntctgg agatgcattg ccagaacaat ctatTTTTTg 180

gtatcaacag aagccaggcc aggccctgt attggtgatt tataaagtcc atgagaggcc 240
gtcagatgcc ctgaacgatt ctctggctcc aggtcacaga caacagtcac gttgaccatc 300
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acaatntagg cnatgtaggg tctggtcccc caaatccaga tctgtcgnaa acantnttgg 180
atcaatacnt tgccatggnc ncanaaaanc atgggtncaa catggaacan gctcttggga 240
tgctcttctg gcataanct aatatccaaa antcatnggc tgatttgccc aacttnaccc 300
ctttcccaga taagtggact gtggaagata aantcttatt tgancaagcc tttacttttc 360
atgggaaaac ttttcataca atccaaccaa tgnttcaca taaatctata gnnngtctgg 420
tgaaatntta ctattcttgg aaaaaagacg aagactnaaa ctattgtgat ggatcgccat 480
gccccggaaa cnaaacggga cgggaagaga ncnacgatga actggaacaa gcaaattggaa 540
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gaggcccggt actacagcct cagcctgacg gnacancanc tctcccacat cgtggcgagg 120
ttgaggaaac ngaaacanaa aat 143
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gaaggatata aaggggggtgt cggaaatcgt gcagaatggg aagcacttca agttcaccat 180
caccgctggg tccaaagtga tccaaaacga attcacggtg ggggaggaat gtgagctgga 240
gacaatgaca ggggagaaag tcaagacagt gggttcagttg gaaggtgaca ntaaactggg 300
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<212> DNA
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aacgtcgnga ctggnaaaac cctggngtta cccaacttaa tcgccttgca gnanatcccc 240
ntttcgccag ntggcgtaat ancnaaaagg cccgnaccga tcgccttcc naacagttgc 300
ncagcctgaa tggcaaatgg gacncncct gtacggngc attaagcncg gcgggtgtgg 360
gggttaccn cagcgtgacc gttacanttg ccagngcct agcgcgcgnt cctttcgntt 420
tcttccctc ctttttcgcc acgttcgcc gttttcccg taaagcttta aatggggggc 480
tcccttnagg gttccgattt agggctttac gggacctga ccccaaaaaa ctttgnttag 540
ggggatgggt cacgtagnng ggccattgcc cttgatanac gggtttttcg cccttttgac 600
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antttaaccc ctttttttgg ggg 683
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cgagggtcca gccctggggc agaaagggtg gcattggggc cagccctgga agggggatat 180
ccccccagtc ttgctcaagc ccctcaagct cctggaaaac accactttgt gcctgtttctg 240
cgcttactcc tgattaatac aatgaatttt cttgggcatt ttacaatttc caacacttta 300
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gcgtcggcgg tagctgctnt tcctggggcc cgtgggcctc atcatgtacc tcgggggcgt 120
nttcttcac aaccggcagc gctctagcac tgccatgaca gtgatggccg acctgggcga 180
gcgcattggtc agggagaacc tcaaagtgtg gatctatccc gagggctactc gcaacgacaa 240
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tgtngcgcaa ganaaccagg gcatcttctt ctcgggggac tcctacctag tgctgcacaa 180
tggeccagaa gaggtttccc atctgcacct caacacactg ctgggagagc ggcctgtgca 240
gcaccgcgag gtaaggggca atgagtctga cctcttcatg agctacttcc cacggggcctt 300
caagtaccag gaaggtgggtt tggantcagc atttcacaag acttccacag gagccccagt 360
tgccatcaag aaantntacc aggtgaaggg gaanaanaaa tccgtccaac gagngggcat 420
gaattgggaa anttnaaatn ggggttggtt acctggaatn ggcaaaaatt tnnctgggtt 480
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tggcatgcta actagttacg cgacccccga gcggtcggcg tcccccaact tcttagaggg 180
acaagtggcg ttcagccacc cgagattgag caataacagg tctgtgatgc ccttagatgt 240
ccggggctgc acgcgcgcta cactgactgg ctcagcgtgt gcctacccta cgccggcagg 300
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gaacgaggaa ttcccagtaa gtgcgggtca taagcttgcg ttgattaagt ccctgcccct 420
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ncctgcagcc acagtnccggc aattcctaca agtgccaa 218

<210> 432
<211> 610
<212> DNA
<213> Homo sapiens

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acacacgtaa gcagaagaac ggcttccccgc ccaacttcat ccactcgctg gactcctccc 180
acatgatgct caccgcccctg cactgctaca ggaagggcct gaccttcgtc tctgtgcacg 240
actgttactg gactcacgca gctgatgtct ccgtcatgaa ccaggtgtgc cgggagcagt 300
ttgtccgctt gcacagcgag cccatcctgc aggacctgtc cagattcctg gtcaagcggg 360
tctgctctga gcccagaag atcttggagg ccagccagct naaggagaca ctgcaggcgg 420
tgcccaagcc aggggccttc gacctggagc aggtgaagcg ttccacctac ttcttcagct 480
gacaccccggt gagccttgct agtgtgtaaa taaagctctt ttgccacccc aaaaaaaaaa 540
aaaaaaaaact tggggggggg gcccgggacc caattgccct atagggnggn gnnttacaat 600
tcantggccg                                     610
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<210> 433

<211> 328

<212> DNA

<213> Homo sapiens

<220>

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<222> (26)

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<220>

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<222> (123)

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<220>

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<220>
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<222> (244)
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<220>
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<222> (314)

<223> n equals a,t,g, or c

<400> 433

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aagaactact ttgatgggga aggaaaagtg cggatgatcg tgtatgtgaa cccaagggt 120
gangattatg nngaaaactt ncaagtcatt agatttgcgg aagtgactca agaagttgaa 180
gtagcaagac ctgtagacaa ggtaatatgt ggtttaacgc cnnagnaggag atacagaaac 240
cagnctcgng gtccagttgg aaatgnacca ttgggtactg acgtgggttt ncagagtttt 300
ccacctttgc cgtncatgcg aaattttt 328
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<210> 434

<211> 535

<212> DNA

<213> Homo sapiens

<220>

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<222> (76)

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<220>

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<222> (77)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (274)

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<220>

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<222> (351)

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<220>

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<222> (405)

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<220>

<221> misc feature

<222> (454)

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<220>

<221> misc feature

<222> (491)

<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (504)
<223> n equals a,t,g, or c

<220>
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<222> (512)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (517)
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<400> 434
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catggaaaat gaaatnngaa actctctgaa caagaattac aatttcgtcg tctcagtcaa 120
gagcaagttg acaactttac tctggatata aatactgcct atgccagact cagaggaatc 180
gaacaggctg ttcagagcca tgcagttgct gaagaggaag ccagaaaagc ccaccaactc 240
tggctttcag tggaggcatt aaagtacagc atgnaagacc tccatctggc agaaacacct 300
actatccccg tgggtagtgg cagttgaagc ccatccaaag ccaactgttc nggataatga 360
atttcaccca agctttaacc gcagctattc ccttcagag ttccnggacc cgtgggggtgg 420
ttacatggaa gagaaccctt agggcccgtt ttcncatggt ggtttccaaa aattgggccc 480
cgagggtagg nccaatggat tggnttgaa ancccgnaat tagcttgta cccgt 535

<210> 435
<211> 524
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (157)
<223> n equals a,t,g, or c

<220>

<221> misc feature
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<220>
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<220>
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<222> (259)
<223> n equals a,t,g, or c

<220>
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<222> (262)
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<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

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<220>
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<220>
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<220>
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<222> (338)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (340)
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<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

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<220>
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<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<220>
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<220>
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<220>
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<222> (348)
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<220>
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<223> n equals a,t,g, or c

<220>
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<222> (354)
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<220>
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<220>

<221> misc feature

<222> (380)

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<220>

<221> misc feature

<222> (498)

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<220>

<221> misc feature

<222> (500)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (518)

<223> n equals a,t,g, or c

<400> 435

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ctcatgaatc attgctccgg gtcctgcggg acatttgtca tgtactcggg ccaagcccag 120
gccctggacc acagcttnct cctgctgcaa aganganaaa accagccagc gtgagggttg 180
tctgagctt gccccaatgg cggctcgctt gacacacacc tacaccaca tcgaaganct 240
gccagtgcc aagaacacnnt cntgggggnt tccccaacng gaacttcccg ccggggccgg 300
ggggcttncc ccttagcatc tggaacgtag gtttttnnnn nnnnngnnan aaanccccct 360
ttcaattgcc cttcnaaaan ttttacctcc ccccgaaact ctttaaactc cttaaactcg 420
ggttcctctt cttccaaata ttatgttcta attttttttt tcatccctgc tttcccaata 480
taaactcagg gggaaatncn aaaaaaaaaa aaatccangg gggg 524
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<210> 436

<211> 384

<212> DNA

<213> Homo sapiens

<220>

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<222> (5)

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<220>

<221> misc feature

<222> (79)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (124)

<223> n equals a,t,g, or c

<220>

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<222> (177)

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<222> (191)

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<221> misc feature

<222> (215)

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<220>

<221> misc feature

<222> (320)

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<220>

<221> misc feature

<222> (341)

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<221> misc feature

<222> (349)

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<221> misc feature

<222> (366)

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<220>

<221> misc feature

<222> (374)

<223> n equals a,t,g, or c

<400> 436

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ttacttcatg cagttcagna ccagctcggg gtccgcggaa gaggcagccc tactggagtc 120
tcgnattctt tacccaaaga ggaagcagca gtgcctgcaa tttttctata aaatgancgg 180
ggaagtcctt ncagacagac ttcgttgtct gggtncagga ggggatgaca gcacaggcaa 240
tggtcgcaat tgggtgaagg gcagactttt caaggagatg atgaccacaa tttggaaaat 300
tggcccatgt ggggtgcttcn aagaggaaca gaatttcggg naccttttnc cagggggcaca 360
aaaggnggac ctnagagct tcaa 384

<210> 437
<211> 390
<212> DNA
<213> Homo sapiens

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<222> (386)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (390)
<223> n equals a,t,g, or c

<400> 437
cttgctcaat gacgccgtca ctgtgggtcct gtatcacctc tttgaggagt ttgccaaacta 60
cgaacacgtg ggcacgtgg acatcttcct cggttcctg agcttcttcg tgggtggccct 120
gggcgggggtg cttgtgggcg tggctacgg ggtcatcgca gccttcacct cccgatttac 180
ctcccacatc cgggtcatcg agccgtctt cgtcttcctc tacagctaca tggcctactt 240
gtcagccgag ctcttccacc tgtcaggcat catggcgctc atagcctcag gagtgggtgat 300
gcgnccctat gtggggangcc aacacttcca caagttccca caacaacatc aaataatttc 360
ctggaagatg tnggagcagc gtcannaagn 390

<210> 438
<211> 234
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
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<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<400> 438
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tttgactcca cgcgttttgc tncattaaca acataaaacc ctcatggaca cganaaaaca 120
ccctcatgtt catacaccta tccccattc tcctcctatc cctcaacccc gacatcatta 180
ccgggttttc ctcttaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa 234

<210> 439
<211> 144
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
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<222> (105)
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<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (135)
<223> n equals a,t,g, or c

<400> 439
nnctatcgat ggggagcaag agtcttttaa ataagnccat ttnagtcctt ggttaacaag 60
ggtttaaagt ggagcgaatg cacatcacag acatgaaatt ggctnacctg cctngcttag 120
aagcccttg tgtnaggtc aaca 144

<210> 440
<211> 411
<212> DNA
<213> Homo sapiens

<220>
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<220>
<221> misc feature
<222> (86)
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<220>
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<222> (132)
<223> n equals a,t,g, or c

<220>
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<222> (209)

<223> n equals a,t,g, or c

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<222> (230)

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<221> misc feature

<222> (246)

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<220>

<221> misc feature

<222> (276)

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<220>

<221> misc feature

<222> (340)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (346)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (390)

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<220>

<221> misc feature

<222> (404)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (410)

<223> n equals a,t,g, or c

<400> 440

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gctggccgna tcaacaagg gctggncacc aactggctgc gggccaagga gcctgccggg 120
gagaacggcg gncgcgcgct ggtgcccatg ttcgtgcgca agtcccagtt ccgcctgccc 180
ttcaaggcca ccacgcctgt catcatggng ggccccggca ccgggggtgtn acccttcata 240
ggcttnatcc aggagcgggc ctggctgcga cagcanggca aggaggtggg ggagacgctg 300
ctgaactacg gctgccgccg ctcggatgag gactacctgn accggnagga gctggcgag 360
ttccacaggg acggtgcgct caccagctn aacgtggcct tctnccgggn a 411
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<210> 441
<211> 623
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
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<220>
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<222> (141)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (232)
<223> n equals a,t,g, or c

<220>
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<222> (252)
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<220>
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<222> (289)
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<221> misc feature
<222> (360)
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<220>
<221> misc feature
<222> (365)
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<220>

<221> misc feature
<222> (407)
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<220>
<221> misc feature
<222> (435)
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<220>
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<223> n equals a,t,g, or c

<220>
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<222> (472)
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<220>
<221> misc feature
<222> (495)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (502)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (504)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (509)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (538)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (560)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (586)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (587)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (619)

<223> n equals a,t,g, or c

<400> 441

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tggtctgggccc tanccctggt gggggctctg catgcccagg cccaggactc cacctcagac 120
ctgatcccgag cccacctct nagcaaggct cctctgcagc anaacttcca cgacaaccaa 180
ttccacggga agtggtatgt ggtacgcctg gcacggaatg caattctcag anaacacaaa 240
gaccgcgaaa anatgtatgc caccatctat gagctgaagg aaacaaganc tacaatgtcc 300
ctccgcctgt ttaagaaaaa aaaatgtgac tacttggatc aggaattttg gtccaaggtn 360
gccanccggc gaattccacc ttggggacct ttaaaattgc cttggantaa ccaatttcct 420
ccttccaatt gttancacca attacaacng ccttcttttg gttttcttcc anaaaatttc 480
tccaaacaag gaatncttcc anancccccnc ttccggaaaa acaaggaatt aattccgnac 540
ttaaaggaaa aattctccgn tctccattt cttgggcccc ctaaanncaa attcgtcttc 600
ccttttccaa ccaacattnt ttt                                     623
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<210> 442

<211> 211

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (47)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (58)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (77)

<223> n equals a,t,g, or c

<220>

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<222> (93)

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<220>
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<222> (121)
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<220>
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<222> (131)
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<220>
<221> misc feature
<222> (178)
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<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
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<222> (207)
<223> n equals a,t,g, or c

<400> 442
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gccacgcag ggcctanggt gggaagatgg cangtggggg cggcgacctg agcaccagga 120
ngctgaatga ntgtatttca ccagtagcaa atgagatgaa ccattcttct gcacacancc 180
acgatttgca aaggntgttc acggaanacc a 211

<210> 443
<211> 399
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (376)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (391)

<223> n equals a,t,g, or c

<400> 443

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accactgttg cagaagctcc tcacagagta tgtgtcaggc atttttaacc tgctaaaggc 120
aagaagaagt gttcaccaca tagttgcaaa ggtcttcaac ttgccacagc caacagaaaa 180
atcaaaatga ttgaaccctt tgggaatcaa gtatatgtg gccaggccag tgtattctac 240
aaatgctttt gaggaaaatc ataaaaagac aggaagacat cataagacat ttctggatca 300
tctcaaagtg tgttгнаact gttccccaca aaaggcaaga gaattgnct ctctttgntt 360
cccatagcat tttgntgcc agcataccgg nttaaagaa 399
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<210> 444

<211> 465

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (376)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (390)

<223> n equals a,t,g, or c

<400> 444

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cggtccacat cccgggagag agaacgcagg cgccgagaaa ggtccaggtc tcgggagaga 120
gatcggagaa ggagccgctc gcgatccccg caccgaagac gctcccgatc tccaagacga 180
catagatcca catctccttc cccttctcga ctgaaagaaa gaagagatga ggaaaagaaa 240
gaaacaaaag aaacaaagag caaagaacgg cagattactg aggaagactt agagggcaaa 300
acagaggaag aaatagaaat gatgaagtta atgggatttg cctcctttga ctccacaaaa 360
ggtaagaagg tggatngctc tgtaaatgcn tatgccataa atgtctctca gaagaggaag 420
tacaggtatg catagcccc atttttgttt gaactaataa atcag 465
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<210> 445

<211> 297

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<400> 445

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aagtgtctaaa gcccagagccc gagctggttt atgaagacct gaggggctca gtgaccttcc 120
actgtgccct ggccctgag gtggcaaacg tggccaaaat tctgtctggc agagagtggg 180
gaaaagacgc ggtttccagc ttgcagattt gttaagtttc tcaggcagat tttgactttc 240
agcctttcat acttgtttaa gcaactattt gtattaaatg aagttttttg aaaaaca 297
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<210> 446

<211> 448

<212> DNA

<213> Homo sapiens

<220>

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<222> (21)

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<220>

<221> misc feature

<222> (22)

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<220>

<221> misc feature

<222> (24)

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<220>

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<222> (306)

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<222> (366)

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<222> (369)

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<222> (435)

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<222> (440)
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<220>
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<222> (448)
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<400> 446
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gcagtctgtc gcctcagtgt taaattcggg gccacactca aaatcagcag gcttctcttg 120
gaacggggcga gagagctgaa tattgacatc atcgggtgtca gcttccacgt gggaagtggc 180
tgcaccgata ctggagacct tcgtgcaagc catctccgat gcccgctgtg tcttcgacat 240
ggggagctga ggttggtttc aacatgtatc tgcttgatat cggtggtggg ctttcctggg 300
atctgnagga tgtgaaactt aaatttgga gagatcacca tggtatcaac ccagccctgg 360
gacaantant tccggggccg aattcgggcg tggacattca tagccgagcc cgggcaggat 420
aattaagttg gcttncagcn ttcaagcn 448

<210> 447
<211> 268
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (21)
<223> n equals a,t,g, or c

<220>
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<222> (36)
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<220>
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<222> (43)
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<220>
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<222> (45)
<223> n equals a,t,g, or c

<220>
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<222> (60)
<223> n equals a,t,g, or c

<220>
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<222> (99)
<223> n equals a,t,g, or c

<220>
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<222> (132)
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<222> (135)
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<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (141)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (183)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<220>
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<222> (206)
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<220>
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<222> (222)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (243)

<223> n equals a,t,g, or c

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<222> (260)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (262)

<223> n equals a,t,g, or c

<400> 447

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ggcacgaggn agtgtcccag ncggttcgt gtcgcnatgg ggnanacga gtgggccatn 60
tgggccaacg agcaggcgct gggtccggc ctaatcctna tcaccggggg catcgtggcc 120
acagctgggc gnttnaccn ntggacttt ggtgcctant ccattgtggc gggcgtgttt 180
gtntgcctgc tngagtacc ccgggnaaag aggaagaagg gntccaccat ggtgcgatgg 240
ggncagaagt acatgaccgn cntggtga 268
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<210> 448

<211> 425

<212> DNA

<213> Homo sapiens

<400> 448

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gacaccttca tccgtcacat cgccttctgt ggctttgaga agcgcttcgt acccagccag 60
cactatgtac atgttccttg tgaaatggca ggacctgtcg gagaagggtg tctaccggcg 120
cttcaccgag atctacgagt tccatctccc aagtggtttg acgggcagcg ggccgccgag 180
aaccaccagg gcacacttac cgagtactgc ggcacgctca tgagcctgcc caccaagatc 240
tcccgtgtc cccacctct cgacttcttc aagggtgcgcc ctgatgacct caagctcccc 300
acggacaacc agacaaaaaa gccagagaca tacttgatgc ccaaagatgg caagagtacc 360
gcgacagaca tcaccggccc catcatcctg cagacgtacc gcgccattgc caactacgag 420
aagac 425
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<210> 449

<211> 88

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (71)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (73)

<223> n equals a,t,g, or c

<400> 449

tcgttgccct gttactgtct gtggnnatgt gcatgggtcaa ttcatgatc ttatggaact 60
ctttagaatt ngnggaaaat caccggat 88

<210> 450

<211> 214

<212> DNA

<213> Homo sapiens

<220>

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<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (49)

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<220>

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<222> (53)

<223> n equals a,t,g, or c

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<222> (68)

<223> n equals a,t,g, or c

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<222> (71)
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<220>
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<223> n equals a,t,g, or c

<220>
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<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<220>
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<220>

<221> misc feature

<222> (193)

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<220>

<221> misc feature

<222> (204)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (205)

<223> n equals a,t,g, or c

<400> 450

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atctccantg gaaccacgtt gtggcngatg ntggggcctt cctgcggtnc aangagccct 60
taccgganta ngtgnggatg gtgactgant nttcaaataa antacganac tgnnccaacc 120
tctctgccac ggacatccaa ntgcttgac gcanatacca gttggaagca gagtttggtg 180
gggtgtctca acnaaaagtt gagnaagca acgt 214
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<210> 451

<211> 473

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (370)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (444)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (469)

<223> n equals a,t,g, or c

<400> 451

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gcggaacgct ggggcaagac ttttgcccg tacctttcat tccggcgtga caacaatgag 60
ctgttgctct tcatactgaa gcagtttagt gcagagcagg tgacatatca gcgcaaccgc 120
tttggggccc agcaggacac tattgaggtc cctgagaagg acttggtgga taaggctcgt 180
cagatcaaca tccacaacct ctctgcattt tatgacagt agctcttcag gatgaacaaag 240
ttcagccacg acctgaaaag gaaaatgatc ctgcagcagt tctgaggccc tatgccatcc 300
ataaggattc cttgggattc tggtttggg tggtcagtc cctctgtgct ttatggacac 360
aaaaccagan cacttgatga actcggggta ctagggtcag ggcttatagc aggatgtctg 420
gctgcacctg gcatgactgt ttgnttctcc aacctgcttt gtgcttctna cct 473
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<210> 452
<211> 397
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
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<222> (225)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
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<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (385)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (389)
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<400> 452
gggtcgaccc acgcgtccgc ccacgctcnc gcttgcttgg acatcaggta ccaactgcac 60
tcgttttggc attgcagcta aatatcagtt ggatcccact gcttccattt ctgcaaaagt 120
caacaactct agcttaattg gagtaggcta tactcagact ctgaggcctg gtgtgaagct 180
tacactctct ggctctggta gatgggaaga gcattaaatg ctggnaggcc acaaggttgg 240
ggctcgccct gggagttggg aggcttaatc cagctgaaag aaacctttgg ggaatgggat 300
atccagaaga tttgggcctt aatataattn ccattgtgga ccagcagcag gctttttttc 360
cccccaagaa gattgntcca aaccnangnt gatctcc 397

<210> 453
<211> 463

<212> DNA
<213> Homo sapiens

<220>
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<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

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<222> (426)
<223> n equals a,t,g, or c

<220>
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<222> (435)
<223> n equals a,t,g, or c

<220>
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<222> (453)
<223> n equals a,t,g, or c

<400> 453
ggcaagatgg tggtgcagac ccaggtcttc atttctctgt tgctctggat ctctggtgcc 60
tacggggaca tcgtgatgac ccagtctcca gactccctgg ctgtgtctct gggcgagagg 120
gccaccatca actgcaagtc cagccagagt gttttataca gctccaacaa taagaactac 180
ttaacttggt accagcagaa accaggacag cctcctaagc tgctccttta ctgggcatct 240
acccgggaat ccgggggtccc tgaccgattc agtggcagcg ggtctgggac agatttcact 300
ctcaccatca gcagnctgca ggctgaagat gtggcagatt attactgtca gcaatattat 360
actactccct ggacgttcgg ccaactggacc aangtggaat tcanacgaaa ctgtggctgc 420
accatntgcc tcatntttcc gccatctggt gancagttga aat 463

<210> 454
<211> 332
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (332)

<223> n equals a,t,g, or c

<400> 454

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tggtctcatct tggctgtgat ttcagtatat gatttagtgg ctgttttgtg tccgaaaggt 60
ccacttcgta tgctgggtga aacagctcag gaganaaatg aaacgctttt tccagctctc 120
atttactcct caacaatggt gtggttggtg aatatggcag aaggagaccc ggaagctcaa 180
aggagagtat ccaaaaattc caagtataat gcagaaagca cagaaaggag tcacaagaca 240
ctgttgacaga gaatgatgat ggcgggttca gtgaggaatg ggaagcccag aaggacagtc 300
atctagggcc tcacgctct acacctgaat cn 332
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<210> 455

<211> 429

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (4)

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<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (12)

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<222> (99)

<223> n equals a,t,g, or c

<220>

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<222> (105)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (107)

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<220>

<221> misc feature
<222> (109)
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<222> (143)
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<222> (148)
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<220>
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<222> (292)
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<220>
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<222> (314)
<223> n equals a,t,g, or c

<220>
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<222> (346)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (382)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (392)

<223> n equals a,t,g, or c

<400> 455

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cgtgggtcca gagagcgggt ttgaccgcca cattaccant ttttnancng agggtcggct 120
ctaccaagta ggaatatgct ttnaaggnta ttaaccangg tggacttaca tnagtagctg 180
atcagcggga aagactgtgc agtaattgtc acacagaaga aagtacctga caaattattg 240
gantccagca cagtgactca cttattcaag ntanctggaa acattgggtg tntgaagacc 300
ggaatgtcag ctgncagcag atcccaggta cagagggcac gctatnaggc agctaacttg 360
gaatacaagt atggctatga gnttcctgtg gncatgcctg tgtaaaagga tttccgggtat 420
ttctcaggt                                     429
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<210> 456

<211> 623

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (352)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (482)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (516)

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<220>

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<222> (540)

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<220>

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<222> (554)

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<220>

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<222> (570)

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<220>

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<222> (588)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (604)

<223> n equals a,t,g, or c

<400> 456

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gccggttgcc aggccaagga gtggactagg gtcgccgggg aagcggtttg ggagagccca 120
tggtgactgc gtgagtggag ccagctgtg tggatgcccc agcatggatg actacatggt 180
cctgagaatg attggggagg gctcgttcgg cagagctctt ttggttcaac atgaaagcag 240
taatcaagat gtttgccatg aaagaaataa ggcttccaag tctttctcta atacacagaa 300
ttctaggaag gaggtgttc ttttagccaa aatgaaacac cctaattatt gngccttcaa 360
agaatcattt gaaagctgca ggacacttgt atattgtgat ggaatactgt gatggacggg 420
atctaataa aaagattaaa cagcagaaaa ggaaaagtta tttcctgaag acatgatact 480
tnaatggtt acccaaatgt gccttggagt aaaatnacat ttaccaagaa acgtgtgctn 540
ccaagagat tttnaaagtc ccaaaaaatn ttttctcta acctcaanaa ttgggaaaaa 600
gttnaaaatt ggggaaaaaac ttt                                     623

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<210> 457

<211> 441

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

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<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<220>
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<222> (28)
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<220>
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<222> (185)
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<222> (223)
<223> n equals a,t,g, or c

<220>
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<220>
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<220>
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<222> (432)

<223> n equals a,t,g, or c

<400> 457

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ggctgcactt gcttgcttcc acttatgctt gttctcagaa cacaaacaaa acctgtgaag 120
agtgcctgaa aaacgtctcc tgtcttttgt gcaacactaa caagcttgtc ttggactacc 180
agttncaaag tcttgccacc ggcttccctt tgtaattaa ctncctgcac ctngggaatt 240
ttgttgggtn aaacttagaa gcgctgaatc atcacatgtt cggtagtccg gggaaccctc 300
ctcctggggc attggcatct gctgcttgct tgcttgctgc aagaagaaaa aaagaaccgc 360
aaaccgggac aggaattaaa gaaaaaaggc nttgcgttna accggaaaga aaaagcngaa 420
taccggccgg angaacggaa a 441
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<210> 458

<211> 419

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

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<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

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<222> (252)

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<220>

<221> misc feature

<222> (278)

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<220>

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<222> (306)

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<220>

<221> misc feature

<222> (402)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (404)

<223> n equals a,t,g, or c

<220>

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<222> (408)

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<220>

<221> misc feature

<222> (409)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (410)

<223> n equals a,t,g, or c

<400> 458

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agagcgagag actctgcagg cctggaagga gcgcgtgggg caggagctgg accgcgtggt 120
ggctttctgg atggagcact cccacgacca ggagcacggg ggcttcttca cgtgccttgg 180
ccgcgagggg cgggtgtatg atgacctcaa gtatgtgtgg ctgcagggga ggcaggtatg 240
gatgtattgt cngcctgtac cgcactttcg agcgcttncg ccatgctcag cttctggacg 300
cagcanaagc aggtggtgag ttcttgctgc ggtatgcccg ggtggcacct tctggcaaga 360
agtgtgcctt tgtgctgact cggtgacggc cgcccgggtca angngcannn aaccatctt 419

<210> 459

<211> 509

<212> DNA

<213> Homo sapiens

<220>

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<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (40)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (284)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (308)

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<222> (331)
<223> n equals a,t,g, or c

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<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (377)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (410)
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<220>
<221> misc feature
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<220>
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<220>
<221> misc feature
<222> (424)
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<220>
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<220>

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<220>
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<222> (490)
<223> n equals a,t,g, or c

<220>
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<222> (493)
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<222> (499)
<223> n equals a,t,g, or c

<220>
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<222> (502)
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<400> 459
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tatattaaag gcttcccaac tgatgcaact cttgatgaca taaaagaatg gttagaagat 120
aaaggtcaag tactaaatat tcagatgaga agaacattgc ataaagcatt taagggatca 180
atttttggtt tgtttgatag cattgaatct gctaagaaat ttgtagaggc ccctggccag 240
aagtacaaag aaccagacct gctaatactt ttcaaggccg gttncctttgc caaaaaatga 300
ggaagaanca aataagtgga gctaattagg nttacagggc agagcaacca agttgaggag 360
tcctgatgna ctctggngaa gttggtcett ctnatttcgg ggttngtgcn gccntgggng 420
ttcncacttt tcatcagggn taatgtgctc ccaggccagg gtttttttag anccggcctt 480
taccngtcan tgncccctng cnggtcttg 509

<210> 460
<211> 468
<212> DNA
<213> Homo sapiens

<220>
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<220>

<221> misc feature
<222> (445)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (465)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (468)
<223> n equals a,t,g, or c

<400> 460
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gtggtgtgtt cttgactccg ctgctcgcca tgtcttctca caagactttc aggattaagc 120
gattcctggc caagaaacaa aagcaaaatc gtcccattcc ccagtggatt cggatgaaaa 180
ctggaaataa aatcaggtac aactccaaaa ggagacattg gagaagaacc aagctgggtc 240
tataaggaat tgcacatgag atggcacaca tatttatgct gtctgaaggt cacgatcatg 300
ttaccatc aagctgaaaa tgtcaccact atctggagat ttcgacgtgt tttcctctct 360
gaatctgtta tgaacacgtt gggtggctgg attcagtaat aaatatgtaa ggcctttctt 420
tttaaaaaaa aaaaaaaaaa aaaanaaaan acaaaaaana tcaanaan 468

<210> 461
<211> 580
<212> DNA
<213> Homo sapiens

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<220>
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<222> (18)
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<221> misc feature
<222> (445)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (465)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (468)
<223> n equals a,t,g, or c

<400> 460
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gtgggtgtgtt cttgactccg ctgctcgcca tgtcttctca caagactttc aggattaagc 120
gattcctggc caagaaacaa aagcaaaatc gtcccatgcc ccagtggatt cggatgaaaa 180
ctggaaataa aatcaggtac aactccaaaa ggagacattg gagaagaacc aagctggggtc 240
tataaggaat tgcacatgag atggcacaca tatttatgct gtctgaaggc caccgatcatg 300
ttaccatata aagctgaaaa tgtcaccact atctggagat ttcgacgtgt tttcctctct 360
gaatctgtta tgaacacgtt ggttggctgg attcagtaat aaatatgtaa ggcctttctt 420
tttaaaaaaa aaaaaaaaaa aaaaanaaan acaaaaaana tcaanaan 468

<210> 461
<211> 580
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (249)
<223> n equals a,t,g, or c

<220>
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<222> (340)
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<222> (427)
<223> n equals a,t,g, or c

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<222> (433)
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<222> (452)
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<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (466)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (470)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (472)
<223> n equals a,t,g, or c

<220>
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<220>

<221> misc feature

<222> (509)

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<221> misc feature

<222> (510)

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<220>

<221> misc feature

<222> (556)

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<220>

<221> misc feature

<222> (567)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (575)

<223> n equals a,t,g, or c

<400> 461

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cgcttgccagg tacgggtccg gaattcccgg gtcgacccac gcgtccgctg acccacgcgt 120
ccgcccacgc gtccgcccac gcgtccgccc acgcgtccgc tgtgtcgtaa aatggggggtc 180
ccttactgca ttatcaaggg aaaggcaaga ctgggacgtc tagtccacag gaagacctgc 240
accactgtng ccttcacaca ggtgaactcg gaaagacaaa ggcgctttgg ctaagctggg 300
ggaagctatc aggaccaatt acaatgacag atacgatgan atccgcccgt ccactggggg 360
tggaatgtt ccctgggtcc ctaattcttg ttgctccgta tcgcccact ccgaaaaagg 420
caaaagntta aanaactttg ccacttaaac tnggggttaa tnttctnctgn tnaatttncc 480
ctgttccctt aaaaataatt gaaattatnn aatttcccc tccccaaaaa aaaaaaaaaa 540
ggggggcccc ttaaanattc cccccnaag ggcnaatta 580
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<210> 462

<211> 549

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

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<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<400> 462

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acngnganac nancctcact aaaggggaaca aaagctggag ctccaccgcg gtgcgggccgc 60
tctagaacta gtggatcccc cgggctgcag gaattcggca cgaggcgccg ccacaatggt 120
gcgcatgaat gtcctggcag atgctctcaa gagtatcaac aatgccgaaa agagaggcaa 180
acgccaggtg cttattaggc cgtgctccaa agtcacgctc cggtttctca ctgtgatgat 240
gaagcatggt tacattggcg aatttgaaat cattgatgac cacagagctg ggaaaattgt 300
tgtgaacctc acaggcaggc taaacaagtg tggggtgatc agccccagat ttgacgtgca 360
actcaaagac ctggaaaaat ggcagaataa tctgcttcca tcccgccagt ttggtttcat 420
tgtactgaca acctcagctg gcatcatgga ccatgaagaa gcaagacgaa aacacacagg 480
agggaaaatc ctgggattct ttttctaggg atgtaataca tatatttaca aataaaatgc 540
ctcatggac 549
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<210> 463

<211> 480

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (130)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (320)

<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (410)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (416)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (455)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (456)
<223> n equals a,t,g, or c

<400> 463
gcctctngcg ggccctgttc aagcggaatc ctgccaaccg gctcggctcc ggccctgatg 60
gggcagagga aatcaagcgg catgtcttct actccaccat tgactggaat aagctataacc 120
gtcgtgagan cagccacccc ttcaagccag cagtggctca gcctgatgac accttctact 180
ttgacaccga gttcacgtcc cgcacaccca aggattcccc aggcattcccc cccagcgtg 240
gggccccatca gctgttccgg ggcttcagct tcgtggccac cggcctgatg gaagacgacg 300
gcaagcctcg tgccccgcan gcacccctgc actcgggtggt acagcaactc catgggaaga 360
acctggtttt tagtgacggc tacgtggtaa aggagacaat tgggtgtgggn tcctantctg 420
agtgcgaagcg ctgtgtccac aaagggccan aacannaata atgcaatagg ggaggttaaca 480

<210> 464
<211> 220
<212> DNA
<213> Homo sapiens

<220>
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<222> (16)
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<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

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<220>
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<222> (58)
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<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
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<222> (129)
<223> n equals a,t,g, or c

<220>
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<222> (147)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (157)

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<220>

<221> misc feature

<222> (170)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (213)

<223> n equals a,t,g, or c

<400> 464

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gcnaccngaa gncagcctgt tttggacctt aagcggccct tcctnagccg ggagtcgctg 120
agcggccang cctgcgatcg acttgtngtc gactccntgg gtgctcaatn tccctgcttc 180
tttttggtta ttccacaca gacatcaagg tgnctgattt 220
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<210> 465

<211> 438

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (330)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (366)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (383)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (403)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (414)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (428)

<223> n equals a,t,g, or c

<400> 465

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atgtgggcta gcaggcatgt gaaatgtctg ccagtgcac aacagctata taactaagaa 120
gttatctttt tcaactgtctt ctggtactct tcatttcact tgggtttttt agcaattcag 180
gaagctggaa tgtttgaatg ggtttttagct tgataccttc ttctttttcc catttggcag 240
ataataccac tagtctgacg gataaacacc tggacccaat cagggaaaat ctgggaaagc 300
actgggaaaa actgtgcccg taaactgggn ttcacacagt ctcagattga tgaattgacc 360
atgacnatga gcgagatgga tgnaagaaag gttaccagat gcncctaaat gggngatgag 420
gaaggctnaa ggggcccg                                     438
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<210> 466

<211> 127

<212> DNA

<213> Homo sapiens

<220>

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<220>

<221> misc feature

<222> (53)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (87)

<223> n equals a,t,g, or c

<220>

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<222> (94)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (118)

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<220>

<221> misc feature

<222> (122)

<223> n equals a,t,g, or c

<400> 466

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gcacgattca tgcaaaaagg naactaagca ctatgagatg cttgctaata gancagctgc 60
aaatgggtcac tgcattgata tttatgnttg tgcncctgat caaactggac ttttgganct 120
gnagtgt                                     127
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<210> 467
<211> 439
<212> DNA
<213> Homo sapiens

<220>
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<222> (194)
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<220>
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<222> (295)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (409)
<223> n equals a,t,g, or c

<400> 467
gctggaatct ttacaggaga accacttcca agaagatgan cagtttcttg gagccggttat 60
gccaaggctt ggcattggaa tggatacttg tgtcattcct ttgaagcacg gtgggctttc 120
cttggttcaa accacagatt acatttaccg gatcgtagac gacccttaca tgatgactcc 180
tgcagttgct gaantcaggc ctgtcccctg cccacacttg gcaactgggca taaagcaatt 240
agggaggaag caggaaaaggc ctctgctgct gttgcaactg aatacatgct ggcangataa 300
catgtgccaa tgtcctcagt gactctatgc aatgggggtc acggaatgtg acaatatgct 360
gatgtccttt ggaatcataa taaaatgacc gacaggaaaa ggataaatna tcctctgatt 420
atccaagggtt ttaaaacca 439

<210> 468
<211> 484
<212> DNA
<213> Homo sapiens

<220>
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<220>
<221> misc feature
<222> (399)
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<220>
<221> misc feature
<222> (412)
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<220>
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<222> (415)
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<220>
<221> misc feature
<222> (449)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (463)
<223> n equals a,t,g, or c

<400> 468
gagcaggccc gttggaagtg gttgtgacaa ccccagcaat gtggagaagc ctgggggcttg 60
cctggctctc tgtctcctcc catcgggagg aacagagagc caggaccaaa gctccttatg 120
taagcaaccc ccagctggac ataagagatc aagatcaatg ctaaactcca atgggttcagt 180
gactgtggtt gtcttcttca agccagctga tacctgtcat actgcaggca tctaaattag 240
aaacctgcga gtaaaactga agaaagaagg atattctaata attcttatat tgtgtaatat 300
taaggaatct cttctcgata aaatcacaca tctaagaata aggttaaaan atatttctgt 360
tataccagaa gaaacaacaa tgctgactct ttaatgaana aataactctat antanatggg 420
cgctgaatac tggttgcttc tcacttcang aaaacataat gtntgaaaat ggacgtttca 480
ttaa 484

<210> 469
<211> 489
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (371)
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<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<220>
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<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (468)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<400> 469
cgccctggcga ttaccggtct caccatggag cggaaagtgc ttgcgctcca ggcccgaaag 60
aaaaggacca aggccaagaa ggacaaagcc caaaggaaat ctgaaactca gcaccgaggc 120
tctgctcccc actctgagag tgatctacca gagcaggaag aggagattct gggatctgat 180
gatgatgagc aagaagatcc taatgattat tgtaaaggag gttatcatct tgtgaaaatt 240
ggagatctat tcaatgggag ataccatgtg atccgaaagt taggctgggg acacttttca 300
acagtatnng ttatcatggg gtattccagt taagttttta ttggttctntg taaaaagatt 360
agttaganga ngctctaaaag ggtttgnctg agttccatgg tggacccagg ttcaacnacn 420
ctagccggtc cattaccaga atttgttggt ggcaaagncc cgatcctnng ggaaccnttt 480
ctttcggaa 489

<210> 470
<211> 318
<212> DNA
<213> Homo sapiens

<220>
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<222> (2)
<223> n equals a,t,g, or c

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<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (188)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (281)
<223> n equals a,t,g, or c

<400> 470
cntcactata tntgaggagc nggtaccct gnaggtaccg gtccggaatt cccgggtcga 60
cccacgcgtc cgntatgaca acctgatcac accagccatg annggngccg gctncctgca 120
ggggaacgtc gattcttgcc agggtgacag nggagggcct ctggtcactt cgaagaacaa 180
tatctggngg ctgatagggg atacaagctg gggttctggc tgngccaaag cttacagacc 240
aggagtgtac gggaatgnga tggnattcac ggactggatn natcgacaaa tgagggcaga 300
cggctaattcc acatggct 318

<210> 471
<211> 455
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (426)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (431)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (440)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (446)

<223> n equals a,t,g, or c

<400> 471

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ggagtataca ccatgagcaa agctcaccct cccgagttga aaaaatttat ggacaagaag 60
ttatcattga aattaaatgg tggcagacat gtccaaggaa tattgcgggg atttgatccc 120
tttatgaacc ttgtgataga tgaatgtgtg gagatggcga ctagtggaca acagaacaat 180
attggaatgg tggtaatacg aggaaatagt atcatcatgt tagaagcctt ggaacgagta 240
taaataatgg ctgttcagca agagaaaccc atgtcctctc tccatagggc ctgttttact 300
atgatnttaa aaattaagtc atgtacattt tcatattaaa ctttttgta aataaaacttt 360
tgtaataatc aaaaaaaaaa aaaaaaaaaa aaacccaagg gggggcccgg tccccantcc 420
cccctntttt nattcctttn aaaatnccct ggccc 455
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<210> 472

<211> 676

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (605)

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<220>

<221> misc feature

<222> (669)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (672)

<223> n equals a,t,g, or c

<400> 472

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gaaagagtgt atcgtatttg ttgaaaagtt ggtggggtcg ggcttaagcg gaggaggggg 120
ctctctggcc cttactcggc agatgggccc ggagagagga cgggaggtgc cgggagaaca 180
tcgagggacc ggtggaggaa gggtagctgg atgagttttg attcatcatg gataatctgt 240
catcagaaga aattcaacag agagctcacc agattactga tgagtctctg gaaagtacga 300
ggagaatcct gggtttagcc attgagtctc aggatgcagg aatcaagacc atcactatgc 360
tggtatgaaca aaaggaacaa ctaaaccgca tagaagaagg cttggaccaa ataaataagg 420
acatgagaga gacagagaag actttaacag aactcaacaa atgctgtggc ctttgtgtct 480
gcccatgtaa tagaacaaaag aactttgagt ctggcaaggc ttataagaca acatggggag 540
atgggtggaga aaactcacct tgcaatgtag tatctaaaca gccaggcccc gtgacaaatg 600
gtcanccttta gcaaccaaca acaggagcag ccagtgggtg atacattaaa cccataacta 660
atgatcccnng anaaga 676
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<210> 473

<211> 512

<212> DNA

<213> Homo sapiens

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<222> (403)

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<221> misc feature

<222> (457)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (487)

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<222> (495)

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<220>

<221> misc feature

<222> (506)

<223> n equals a,t,g, or c

<400> 473

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agaagggggc agcatggcgt acccggggca tcctggcgcc ggcggcgggg actaccagg 120
cgggtatgga ggggctcccg gagggcctgc gtttcccgga caaactcagg atccgctgta 180
tggttacttt gctgctgtag ctggacagga tgggcagata gatgctgatg aattgcagag 240
atgtctgaca cagtctggca ttgctggagg atacaaacct tttaacctgg agacttgccg 300
gcttatgggt tcaatgctgg atagagatat gtctggcaca atggggtttca atgaatttaa 360
agaactctgg gctgtactga atggctggag acaacacttt atnaattttt gacactgcag 420
gaatggaaca agtagacca caagaattgg ataaagnccc tgacaacaat gggatttaag 480
gtttgantcc ccaanctggn gaattnaatt gc 512
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<210> 474

<211> 272

<212> DNA

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<400> 474
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ggcgtcgang gccnacgggc gcattctacgt ggggaacttc cgancgacgt gcgcgagaag 120
gnacttggna ggacctgttc tacaagtacn gccgcateccg cgagatcgag ctcaagaacc 180
ggcannccctc ntcctgtcgg ccttcgtgcg cttcgaggaa cccccgagat gcanaggatg 240
ctatttatng gaagaaatgg ttatgattat gg 272

<210> 475
<211> 338
<212> DNA
<213> Homo sapiens

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<222> (15)
<223> n equals a,t,g, or c

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<222> (284)

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<222> (298)

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<222> (308)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (318)

<223> n equals a,t,g, or c

<400> 475

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cgtccggcta ccattctgaa acaaattgcaa gtattacatc cagcagccag aatgctggng 120
gagctgncta aggctcaaga tatagaagca ggagatggca ccacatcagn agncatcatt 180
gctggctccc tcttagattc ttgnaccaag cttcttcaga aagggattca tccaaccatc 240
atttctgagn cattccagaa ggccctggaa aagggcattg aaancttgac tgacatgnct 300
cgacctgngg aactgagnga cagagaaact ttggtaaa 338
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<210> 476

<211> 424

<212> DNA

<213> Homo sapiens

<220>

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<222> (330)

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<220>

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<222> (378)

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<222> (381)

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<222> (388)

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<220>
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<400> 476
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agaaacggtg caattcaatc gccgccctaa aggccacttc acaggagatt gtgtcctcaa 120
ttagccagga atggaaggat gagaagcggg atttgctgac tgaaggacaa agtttttagca 180
gccttgatga agaagccctg ggatcccgcac acaggccaga cctgggtccct agcactccat 240
cactgtttga agctgcttcc ttggcaacca caatttctact tcttcctata cgtcaatggg 300
cattatccac aagacaaggc ctacaatttn ttcaaaccag gtaatatattt ggtgcaattc 360
aaattaaccc ttcaaggntt nttaaccnca atcaaccatt agggcctgaa cccgtttttt 420
ttgn 424

<210> 477
<211> 228
<212> DNA
<213> Homo sapiens

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<220>

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<220>
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<222> (223)
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ttgtgccttt nggttctttt gccaaccaaa gaactcaatg aacacttctn ntccaagctt 120
aaggcaccga ttctattga acttggtgt gtngtancag ccacnttaac ctctcatttt 180
ggaaaactac atgaaaatta taattcnagt attgctggac atnttccc 228

<210> 478
<211> 486
<212> DNA
<213> Homo sapiens

<400> 478
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ggcatgtggt ctccctggag gacgtcggcc tggctgactc gcagtggaag aacgtcaccg 120
tgcaggtggc tggcgagacc tacagcttgc acgtgggctg cgacctcata gacagcttcg 180
ctctggacga gcccttctac gagcacctgc aggcggaaaa gagccgatg tacgtggcca 240
aaggctctgc cagagagagt cacttcaggg gtttgcttca gaacgtccac ctagtgtttg 300
aaaactctgt ggaagatatt ctaagcaaga agggttgcca gcaaggccag ggaggtaggt 360
gtgttggtgaa aaatgcattt tatatactgg cttggatgga tttctattgt gacatgggtg 420
atgtgtgtgt gtgtatgtgt gtgcattcat gcttgtaaaa atttaagtaa aaatatttgg 480
gtaact 486

<210> 479
<211> 524
<212> DNA
<213> Homo sapiens

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<400> 479
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tgtgcctgan ctgtctgcaa taaagaagaa ttgtgtaaaa aacggcacct cgctttgctt 120
ttcctccgca accatgtctg acaaaccgga tatggctgag atcgagaaat tcgataagtc 180
gaaactgaag aagacagaga cgcaagagaa aaatccactg ccttccaaag aaacgattga 240
acaggagaag caagcaggcg aatcgtaatg aggcgtgctg cgccaatatg cactgtacat 300
tccacaagca ttgccttctt attttacttc ttttagctgt ttaactttgt aagatgcaa 360
gaggttgnt caagtttaaa tgactgtgct gcccctttca catcaaagna ctactgacaa 420
cgaaggccgc gnetgccttt cccatctgtc tatctatctg gctggcaggg naggaaagaa 480
cttgcattgt ggtgaaggaa gaagtgggtt ggaagaagtg ggggt 524

<210> 480
<211> 306
<212> DNA
<213> Homo sapiens

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<222> (34)
<223> n equals a,t,g, or c

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<222> (52)
<223> n equals a,t,g, or c

<220>
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<222> (64)
<223> n equals a,t,g, or c

<220>
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<222> (66)
<223> n equals a,t,g, or c

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<222> (76)
<223> n equals a,t,g, or c

<220>
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<222> (97)
<223> n equals a,t,g, or c

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<220>

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<220>
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<220>
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<220>
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<220>
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<222> (275)
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<220>
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<222> (304)
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<400> 480
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agtntnaggc acaggngcag agaagactgg cgtgtgnccc gagctccagg ctgcaccagc 120
aactgncann cannagtgcg tcctnnggaa cagcgaaatg ncccgnacaa cctccaagtg 180
nctgcnaggc gggncgtgtgn caccttctgc ctctctgccc caatgatgaa ggnggggtcc 240
tgcccccagg tgnaacatta aactttnccc aggtngggcc tctgttcggg caccatgcca 300
ggtngt 306

<210> 481
<211> 473
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<220>
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<222> (445)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

<400> 481

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agaccccttg agcaccaacc ctagtcccc gcgcggcccc ttattcgctc cgacaagatg 120
aaagaaacaa tcatgaacca ggaaaaactc gccaaactgc aggcacaagt gcgcattggg 180
gggaaaggaa ctgctcgag aaagaagaag gtggttcata gaacagccac agcagatgac 240
aaaaaacttc agttctcctt aaagaagtta ggggtaaaca atatctctgg tattgaagag 300
gtgaatatgt ttacaaacca aggaacagtg atccacttta acaaccctaa agttcaggca 360
tctntggcag cgaacacttt caccattaca ggccatgctg agacaaagca nctgacanaa 420
atgctaccca ncatcttaaa ccagnttggt gcggatagnc tgactaagtt taa 473
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<210> 482

<211> 571

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (4)

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<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

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<221> misc feature

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<222> (92)

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<220>

<221> misc feature

<222> (297)

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<220>

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<220>
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<222> (571)
<223> n equals a,t,g, or c

<400> 482

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gatgacggtt ccgggcgcct ctcccaggga cnettgggtc aagggtggagt atgcctacag 120
cgacaacagc ctggaccccc ggctttttgt agaaagcacc cgcaagggga gtgtagtgtc 180
cagagctaata agcatcggtt ccaccagtgc ctcttctgtc cccaacacag atgatgagga 240
cagtgattac caccaggagg cctacaagga gtcctacaaa gaccggcggc ggcgcgnaac 300
acacttnagg cttgagcaga agaggaggga cgccatcaag agaggctatg atgaccttca 360
gaccatcgtc cccacttgcc agcagcagga cttctccatt ggctcccaa agctcagcaa 420
agccatcgtc taaaaagac cattgactac attcagtttt tgcacaagga gaagaaaaag 480
caggaggagg aggngtcacg ttacgcaagg atgtaccggc ctaaagatca tgaaagtgaa 540
ctatgagcan attgtgaagg cacantagna n 571
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<210> 483
<211> 220
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
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<220>
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<222> (71)
<223> n equals a,t,g, or c

<220>
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<222> (99)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (136)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (179)
<223> n equals a,t,g, or c

<220>
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<222> (183)
<223> n equals a,t,g, or c

<220>
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<222> (185)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<400> 483
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accacgcnt ncgggccagg atgctgaatc tgctgctgnt ggcgctggcc gtcctggcga 120
gccgcgcta cgcggnccct gcccaggcc aggccctgca gcgagtgggc atcgtcgng 180
gt nangaggc cccaggagc aagtggccct ggcangtgag 220

<210> 484
<211> 439
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
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<222> (35)
<223> n equals a,t,g, or c

<220>
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<222> (36)
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<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

<220>
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<222> (406)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (434)
<223> n equals a,t,g, or c

<400> 484
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cgctctagaa ctagtggatc ccccgggctg caggaattcg gcacgagcag cccagcagcg 120
gctgaccctc tgcctgcggg gaagggagtc gccaggcggc cgtcatggcg gtgtcggaga 180
gccagctcaa gaaaatggtg tccaagtttt taacgatggc agttccaggg aactaatgaa 240
cctcactgga acaatccctg tgccttatag aggtaataca tacaatattc caatatgcct 300
atggctactg gacacatacc catataatcc ccctatctgt tttgttaagc ctactagttc 360
aatgactatt aaaacaggaa agcatgttga ttgnccaaaa aaattngggg gggnaaaaaa 420
ggggaaaatt ttanttttt 439

<210> 485

<211> 115
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<222> (87)
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<220>
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<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<400> 485
gacaaagtaa ngcatccctc ctgaccatca gacgttgatc ttgctggga aacatctgga 60
aaatggacnc nccctgtctg actacancnt ccacaaagaa tccnccctgc acctg 115

<210> 486
<211> 558
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

<220>
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<222> (270)

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<220>
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<220>
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ttcttttagc atcaaggaat ctgatgagaa agcaggaaag atctttttcac agatgaacaa 120
tattatgagt aaaagtttgc atgatgatgg ntttactgnt ccacagatta ttgaaatgga 180
gctggatagt caggagcaag ttgttggtgc aggatcctcc tgtgacttac attcagcaat 240
ttgcagatgc agcanccaac cttacctctn cggattctga gaagtggaac tctgtgtttc 300
ccaagcctgg gacttttggt caagtgcctg aggctgcaaa gtttgcatag gangagaatc 360
tttgtataac tcaataaact cttgtgctga cggaattcat tngntggtan gactgnggac 420
atgccctgtt gaatccttga gtgcaataaa tcaaagtaga aggccttgna taattttaa 480
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tggaatgggg caaaatta 558

<210> 487
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<222> (195)

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<222> (307)
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<222> (339)
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<223> n equals a,t,g, or c

<220>
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<222> (346)
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<400> 487
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tcaagggtctc gctcagctna aggcattgtac ctacaaaggt cacaagacag gtggnnactgn 120
agagcanata tgggagatcc agaaggatca acttntatac tatccattct taaaaatgtg 180
cctttcagca aatgntgagc atncaagctt agtggatgca acccatcana accactccna 240
aaatggatac ttagccaaaa tgattaagcg ttccttaaaa ttaacttgac caaggaaata 300
tcctttntca taaanctgtg actaggcata cactgtagnt gtnganaatt atgc 354

<210> 488
<211> 508
<212> DNA
<213> Homo sapiens

<220>
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<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

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<222> (242)
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<222> (275)
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<221> misc feature
<222> (288)
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<222> (298)
<223> n equals a,t,g, or c

<220>
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<222> (300)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<220>
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<222> (351)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (375)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (387)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (400)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (407)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (412)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (413)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (424)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (429)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (434)

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<220>

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<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (456)
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<220>
<221> misc feature
<222> (458)
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<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<220>
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<222> (478)
<223> n equals a,t,g, or c

<220>
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<222> (485)
<223> n equals a,t,g, or c

<220>
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<222> (493)
<223> n equals a,t,g, or c

<400> 488

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aaatgacttc tgaagattta gaaaatgctc taaaagcagt catcaatgac aaaagttaca 120
aggagaacat catncgcctc tccagccttc acaaggaccg cccggtggag ccgctggacc 180
tgcccggtgt ctgggtggag tttgtgatga ggcacaaggg cgcgccacac ctgcgncctg 240
cnccccacgg acctcacntg gtaccagtac cattnccttg gccgtgantt ggtttcctn 300
ttggcccttg gtcttgaaat tggccttaat aacctttaaa attttgcnt natggttacc 360
cgaaaatttt ggggnaaaaa agggcctttt aagaaagccn caaaatnaga cnnccctttg 420
aaangggtn gganaaaagg naaaattttt accttncncg gnatttcna atttnaanag 480
atagngttta aanatttttt ttttttagg 508
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<210> 489

<211> 425

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<400> 489

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ggctgctctg ggggatgagc tgggtgcgttt aaggaacagg ccagcactgg cattcgcaag 120
cagtggggaa ggggagagat gccgaggtgg tcagtatcct gactttcaga ggcccttttt 180
tgtttgtttt aatttttgct agattgatat taaaaactca tgtggaggaa ctcaaggaat 240
gtttagaaga ccaaaagtcc ccaatgacag gaacaaaagc aaccaatttt taactttctc 300
ttctcattcc tgttttcatt gatttccac atgtagtcct tttgctcagg aagtctttgg 360
ggaaattaag gatctttgaa gctctgaaat aggtgatcag gttagtgggtg tctgtcagct 420
gtctg 425
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<210> 490

<211> 607

<212> DNA

<213> Homo sapiens

<220>

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<222> (2)

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<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
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<222> (9)
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<220>
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<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (443)
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<400> 490
ancanncnna caccacctca ctaaagggaa caaaagctgg agctccaccg cgggtgcgncc 60
gctctagaac tagtggatcc cccgggctgc aggaattcgg cacgagaagc cgtcaaggag 120
tagaaattgg tatgcttaga agcagattct aaaagcagtt tctcttcaga acatcttttt 180
tcataccact tgataagcat cttgaaacac catggctgta gctgcagtaa aatgggtgat 240
gtcaaagaga actatcttga aacattttatt tccagtccaa aatggagctt tatattgtgt 300
ttgtcataaa tctacgtatt ctectctacc agatgactat aattgcaacg tagagcttgc 360
tctgacttct gatggcagga caatagtatg ctaccaccct tctgtggaca ttccatatga 420
acacacaaaa cctatccctc ggncagatcc tgtgcataat aatgaagaaa cacatgatca 480
agtgtgaaa accagattgg aagaaaaagt tgaacacctt gaggaaggac ctatgataga 540
acaacttagc aaaatgtttc ttactacta agcaccgttg gtatcctcat ggacggtatc 600
acagatg 607

<210> 491
<211> 371
<212> DNA
<213> Homo sapiens

<220>
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<220>
<221> misc feature
<222> (265)
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<220>
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<222> (336)

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<220>

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<222> (339)

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<222> (353)

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<222> (364)

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<220>

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<222> (368)

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<400> 491

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gattgagttg cttctggagt nggcagggtc actgtgaacg cctacgtgag cctcttctac 120
accataaagc gggcacaagt ggtcagtcct gaaagagtcg gaagctggca tatcgggccgc 180
ccaagtgacc ctgtccagtg tctgcttgcc atcctgccag aacaggccct caagcccaag 240
agccatccca ggctgtttc agctncagct aaagcctctc tttcatctgg aagaagaggc 300
aagggggcag gagaccaggc tctagctctg gggccntcnt tcagccccc a tcnnggggaat 360
aaanttantt t 371
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<210> 492

<211> 440

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (347)

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<220>

<221> misc feature

<222> (353)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (397)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (402)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (434)

<223> n equals a,t,g, or c

<400> 492

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acctttggga gtaatactga agagaggggt ctgcagaaag gatgtgtatg aagcttagat 120
aataatggct gtttcgtaaa ctgtttgaga cctattaatg aaaatgacta tttcttgctg 180
tttttatcca acgtctgcat tttccccctt taaagctgcg gtctcctggt tgataaaaga 240
atattggcca gtattgcaga ttttaactgg atttggtgta tcctccaggg gaccagtttc 300
tgtgggctg tattggagca ggtttgtctt taactcttaa atggttnggt ccnaattttt 360
aaaaaggaag ggccccaagt agccagatt taaaggngta tnccattcc caaagttcct 420
tggaacaatt accnaaagga 440
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<210> 493

<211> 90

<212> DNA

<213> Homo sapiens

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<220>

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<222> (20)

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<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (49)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (56)

<223> n equals a,t,g, or c

<400> 493

ngggagctgg cctggagcgn atgggcnccg tgatggatcg catggccanc ggctgncagc 60
gcatgggccc atcaatctgg agcggatcgg 90

<210> 494

<211> 218

<212> DNA

<213> Homo sapiens

<220>

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<222> (28)

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<220>

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<222> (30)

<223> n equals a,t,g, or c

<220>

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<222> (40)

<223> n equals a,t,g, or c

<220>

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<222> (46)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (47)

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<220>

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<222> (53)

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<220>

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<222> (78)

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<222> (87)

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<220>

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<222> (95)

<223> n equals a,t,g, or c

<220>

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<222> (135)

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<220>

<221> misc feature

<222> (163)

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<220>

<221> misc feature

<222> (167)

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<220>

<221> misc feature

<222> (192)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (216)

<223> n equals a,t,g, or c

<400> 494

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ctcatacaaa atttttcnga taaatgnaat ttaancctcg tcttcctcct cttcttcgtc 120
ctggttaatc tgggnagtaa cgtaattcgt aactctcttt ggntgtnagc aactgacgcg 180
caaccagttc angtagatta ttcttcttca aatatngt 218
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<210> 495

<211> 148

<212> DNA

<213> Homo sapiens

<220>

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<222> (26)

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<220>

<221> misc feature

<222> (83)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (96)

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<220>

<221> misc feature

<222> (111)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (116)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (122)

<223> n equals a,t,g, or c

<400> 495

gttttttaaaa aaaacatgtc atgtangttg tctaaaaata aaatgcattt aaactcaaaa 60
aaaaaaaaaaaa aaaaaaaaaa aanagggggg gggcgnggga aaaaaaaaaa ngaggntgag 120
gntttgaaga agggaagggg ggcccccc 148

<210> 496

<211> 536

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (355)

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<220>

<221> misc feature

<222> (382)

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<220>

<221> misc feature

<222> (412)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (444)

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<220>

<221> misc feature

<222> (460)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (484)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (534)
<223> n equals a,t,g, or c

<400> 496
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gaggggaagga gcccagccag aaagcactac aatcatgggc aagttcccaa ctgagtcac 120
ttgtgagtgg ataatcagga aaaatgagga atccaaaaga caaaaatcaa agaacagatg 180
gggtctgtga ctggatcttc tatcattcca attctaaatc cgacttgaat attcctggac 240
ttacaaaatg ccaagggggg gactggaagt tgtgggatat caggggtataa attatatccg 300
tgagttgggg gaggggaagac cagaattccc ttggaattgt gtattgatgc cattntaagc 360
ctaaaagatc accttgtatt cncctttacct tctaaaagcc attatttatg gngttagaag 420
aagaggaaga aattcaggta ccgnaaaaca cttttgttcn gggggggggc cgtacccaat 480
tcgncccata gtgagtcgta ttacaatcac gggccgctcg ttacacggcg gacngg 536

<210> 497
<211> 93
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (84)
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<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
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<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<400> 497

gtgaaacatc aataaagacc acttaatgca cgctttcaaa aaaaaaaaaa aaaaaaaaaa 60
aaaaaaaaaa aaaaaaaaaa aaannaanna nat 93

<210> 498

<211> 392

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

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<220>

<221> misc feature

<222> (50)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (104)

<223> n equals a,t,g, or c

<220>

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<222> (106)

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<220>

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<222> (113)

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<220>

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<220>

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<222> (180)

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<222> (181)

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<220>

<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
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<222> (248)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (351)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (377)
<223> n equals a,t,g, or c

<220>
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<222> (390)
<223> n equals a,t,g, or c

<400> 498
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tgacgcgccc cctgatgatg ggcctccagg ggagctcggg cctnanggcc tgnacggtcc 120
agaggaaaag ggccgggatc gtgaccggga ggcacggcgn acaccggagc gagcgcgagn 180
ncgccgggac cgggatcgtg accgtgaccg tgaccgcgag cacaaacggg gggagcgggg 240
cattnaancg gggcagggat gaagcccgaa gttgggggcg gtggccagga caacgggttg 300
gaaggttttg gcaacgacag ccgagaattt tacntgaatt ttaaggcggc nacgttactt 360
gtncgggaaa ttggttnttt attgaagttn cc 392

<210> 499
<211> 262
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (40)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (60)

<223> n equals a,t,g, or c

<220>

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<400> 499

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agccagggga cacagnanag aagcccacct ggacacaaca ccanaaaggc ttctatttcg 120
ggtgtggagt cttttcagca acccggtcca gtactgggcn gatacagcca tccaccttac 180
agatgtgtct acgtgacgct ctgccattnc anctcgggna ctatangtaa ttctcaagaa 240
agccctcatt tttataacct gg                                     262
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<210> 500 .

<211> 437

<212> DNA

<213> Homo sapiens

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<222> (418)

<223> n equals a,t,g, or c

<400> 500

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gactttgggg aggaatttgg tattctggtg gccttgctca gctctcattg agatcttttc 180
ctatcagaat gttagtgaat atacttcgca gctctttggt cagcaataag gaatattctt 240
tcâattcctg ctcttcaagc caatttacta caccatttg tctttccaaa attcatccca 300
acggtatant tggtttnggt cctccttgga ttcaatctgt ttcttggtaa aattgaacct 360
gtccattgtg aatcctctta attncctcct cccaaaanaa ccagnncttg taaattntg 420
gccaaactcca ggggccca 437
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<211> 180

<212> DNA

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<220>

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<222> (177)

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<400> 501

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atggcccatc gatgagcatt tttaacatac tccatagtct tttcctgtgg tgttaggtct 120
ttatttttat ttttttcctg ggggctgggt ggggttgggg gncanngggg gaantgncct 180
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<211> 436
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (390)
<223> n equals a,t,g, or c

<220>
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<222> (436)
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gtccccagaa gccctgtgcc cacgaacccc tgtgggcgga nggagagaag cggggactcc 120
gggagcttcc tgagagggcc gtgtcttggg agcaaggtga catatccagt ccangcacgc 180
ggaacatgac tcagaantng ggaaacaaaa aaccatcccc cncngaang gggggggcca 240
ggcccctaaa aagcacaatg gnggcnggtg gaattnggtt taaaatntcn gggttcnaaa 300
aagaccatat ttttttttcc cagttcnntn gcccncctt ttnttgtaa ggggggggt 360
taanattccc cctcccccg gaaanaaaan tacctttctt aggaagaagg gcccccccc 420
ccttccccgc tttttn 436

<210> 503
<211> 418
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

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<220>
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nnctcaaadc cngtgactgg gatcactcaa cagnacngtg atgtangann nncaangagg 120
tgccnnnctn aactgaccaa atgctgcctt gtttggtccc taaatcaata aaatatgtna 180
aaatttgtat cccctgttgt ggcatttttn tnagataatc naagcnagaa aaatganang 240
gaatnctgga ccnggnnggg aaggaaaaga accctttctt gtcgctggna actgtgttgg 300
taaggaagtc caaatttgtg catatgaaat aagccgnaac cgctggaacn ncactcctat 360
gcagctnctc ttganccana aacaaggagc ttggtctaata gganatacac tgtgcttg 418

<210> 504
<211> 202
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (126)
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<221> misc feature
<222> (143)
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<220>
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<222> (161)
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<222> (182)
<223> n equals a,t,g, or c

<220>
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<222> (183)
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atggtaatcc tgctcagtac gagaggaacc gcaggttcng acatttggtg tatgtgcttg 120
gctgangaac caatggggcg aanctaccat ctgtgggatt ntgactgaac gcctctaatt 180
cnaaatcccg cccatgcgga ac 202

<210> 505
<211> 568
<212> DNA
<213> Homo sapiens

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<222> (258)
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<220>
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<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (342)
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<220>
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<220>
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<222> (404)
<223> n equals a,t,g, or c

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<222> (422)
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<220>
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<400> 505

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tcagcatctg caatgggccca aacacacctc aaattggctg agttgagaaa gcagccccag 120
tagttccatt cttgcccagc actttctgca ttccaaacag catcctacct gggtttttta 180
tccacaaagg ttagcggcca catgggtttt aaattatgaa gaaacacatt tgcctctcc 240
ttttatccaa gcaggaanat cctatatccc tgatgggttaa aaacaaatcc aggccaccct 300
gaatttgcta ccccaaaaaa gagatttggt taanctgttt cnccggttg ttccctaagg 360
ccatatttta aaattaccac tctgggggtc ccntnaaaac cccngccggg gaccatcttg 420
cnntntgggt aaaaccccct gtttcaatct ctaaatttnc ccctaaggag ggggttggt 480
tnaaaatttg ggggaactta tcnccttca ngttttttcc ggggtacccc cccttgngg 540
gggaaaccct ggctcgggga ntganaaa 568

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<210> 506

<211> 187

<212> DNA

<213> Homo sapiens

<220>

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<220>

<221> misc feature

<222> (99)

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<220>

<221> misc feature

<222> (140)

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<220>

<221> misc feature

<222> (178)

<223> n equals a,t,g, or c

<400> 506

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taatttaagt aattgctgac tgcatagctc ttttccttna gaggtctctc attttaattc 120
aaaaagttag catatttatn aaccatgaaa tttgaaaacc agggcttttt ttttttngg 180
gggggttg 187

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<210> 507

<211> 68

<212> DNA

<213> Homo sapiens

<220>

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<220>
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<220>
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<400> 507
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cccnnncc 68

<210> 508
<211> 366
<212> DNA
<213> Homo sapiens

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<220>

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<222> (303)

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<220>
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<222> (339)
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<220>
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<222> (348)
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<220>
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<222> (364)
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tctttgtttt aatcttgcaa tgtgctttcc ttgtngctgg gcggatgaat gtttactnaa 120
cgatgaaatt ttaacatcca aagggggata ggcacttggn nccccattc tnccaaggcc 180
cgggggggcg gtttcccatg ggaatgtgaa aaggctggcc attattaagt ccctgtaaat 240
naatgtgaaa cccaccggg gcaccccccg tcccccaaag ttttggttgt ttaaaaataa 300
gnnttccatg gggaggtttt aaaaacctgg tngccccgnt tttttttnaa ttaaaaataag 360
ggtnag 366

<210> 509
<211> 496
<212> DNA
<213> Homo sapiens

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<222> (242)
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<220>
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<222> (282)
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<222> (320)
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<220>
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<222> (346)
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<220>
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<222> (353)
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<221> misc feature
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cnggggtctga tttntcact gaactccacc gaccaactnc cctaagcccc nagggcctcc 120
agggaccagg ttcgagaccc aaaccnanaa aatccaaaac ttctcttgaa aagttcaggg 180
accgtccagg ggagatgggg nggagatatg gagtgaagtca cctgactcca gaagatgcca 240
gnttctctct ccagggtgct tagttggctt tgaccacccc tnaactcccca gggagctctg 300
gggcacagct tcctgcacan ccctgtgccc aaccacacag ctgccntagc tgnacccccga 360
gaagtgtctt tgngtgacct tntggtgtgt ggtgaggggt ttgtgttccc ttncgttttc 420
agaccctcga ttttccgtaa tgggttggnn gagttgggga ggttcaagca gagtgtttta 480
ttattntcgg tttatg 496

<210> 510
<211> 363
<212> DNA
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<222> (25)
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<223> n equals a,t,g, or c

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<220>
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gaacgatacg gcagcgccgc ggagcctcgg ttggcctcgg atagccggtc ccccgctgt 180
ccccgcgggc gggccgcccc cccctccacg cgccccgcgc gcgcgggagg gcgcgtgcc 240
cgccgcgcgc cgggaccggg gtccggtgcg gagtgcctt cntcctggga aacggggccc 300
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cagctttcat gtacatatgg tatagaaacc atggagttag gcacttcctg gatttttttt 180
ttatgagaaa aatactgtat ttaaaatgta aaataaactt ttaaaaagca aaaaaaaaaa 240
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaanaaaa aaaaaaaaaa agaaaaacag 300
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ttattgaggc ttacattata ttacagtttc ttgaatetaa aatgatgtac cctcttagga 180
tatatacatc atgcttcatt ggtctcaggg ggctgatttt tataaggaga gatttgctag 240
ttttcacaaat atgtcctcta agttggcatg tatagctaaa caggctttca taaaaatata 300
caatttagtt aatgaaattt gggatatagt cttttatgat tgaaataatt ttgctaaata 360
gactgtctct gatttattag gtaatcacca ctcttatttt gttttacttc cttaatgtct 420
acatagaaag gaaatgagaa aaatccagag gttgtcattt gacttatgag tctgtttgac 480
ttcaggattt ggtacatgaa atttcactta atctttttga tatgtataaa acaaatattc 540
tgggtaatta tttttatcct tttgggtttg antccttttt attcctatca tattgaaatt 600
ggtaagttaa ttttcctttg aaatattcct tatagccagg tctaaaattc aatgggcca 660
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tttcaagaat ntcgcaatta ctaagaagca gataatggtg ttttttagaa acctaattna 180
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aacgttaatt gatataaaaa aaaaaacanc aaaatnnggc ttgnaaaact gacttttnca 120
ttangnggggt tttgaaatct ngccccagac atactgtgtt gngagatact tagngggagg 180
gagtaggttt tngangnggtt gatggtggtg gggaggggaag gcctcctgaa ttgngtttga 240
tgcagagctt tttagccatg angaatcttt cagtcatagt actaataatt aaatttncag 300
tntttaaaaa gncaagntnt ttgtccnttt tgnntttctg nactccctgg aaagttccnt 360
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ccggttcaca attccttcac ccaaaantca tctcatggta tacatggctc ctantccttt 120
ncattacctg atggtagaaa taaaataatt cactttaaaa aaaaaaaaaa aaaaaaaaaa 180
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agctgagctg ggaggagcag ggtgagggtg ggcgacccag gattccccct ccncttccca 180
aataaagatg aggggtactta aagttaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaa 237

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aacagccccc gcgncgcctc tattggctct cggccttggc aacggccgtc gtcattggtta 180
ctggccctaa cagccgatgg ccgaagccga cctgccaccg ggcggggtcn ctggttggcc 240
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tttgcacccc gctgcggggc cacgtggttg gggccctgcc ctggcagggt catcctgtgc 120
tcggaggcca tctcggggcac agggccaccc cggcccaccc ctccagaaca cggctcacgc 180
ttacctcaac catcctggct gcggcgtctg tctgaaccac gcgggggcct tgagggacgc 240
tttgtctgtc gtgatggggc aagggcaciaa gtccctggatg ttgtgtgtat cgagaggcca 300
aaggctggtg gcaagtgcac ggggcacaa gggagtcctgt cctgtgacgc gcaagtctta 360
aggtctggcc gnnngccggc tgggtctggg catttntggg tgcaccgcgg ngctttccag 420
accaacatgt aaccggcatg ntt 443

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tctgtgctg 129

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tacatctcca gtacattccg ttcttttttt ttttgggact ctgtctcaaa taaatncata 120
aaaattaaat gngganttca ctttgcagtt gctgctgtnc aacgnacatt actcaatctt 180
tatgtncggc attctatgct ctactgggga aatttgggta ggagtgangt atttngtata 240
catatctnca ttttaataatg gcaatngctg ggtctatctt actattttan ctattggata 300
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attcagttct tatccaaggg ataaccctg cnt 393

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146

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<211> 346

<212> DNA

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cagccaaggt tgcggggggcc gcagagccgg acgaagacgg agggcggagc ggcttcggga 180
ctgcggagac tacacaccga gcgagcgccct gggcccgaag gagcgatgct gtggttccag 240
ggcgccattc cggccgccat cgcgacggcc aaaaagancg gcgcgtcttc gttgtgttcg 300
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tcctaaacta ccaaacctgc attaaaaatt tcggttgagg cgacctcgga gcagaacca 180
gcctccganc antacatgct aanacttcac cagtcaaagc gaactactat actcgattga 240
tccaataact tgaccaacgg aacaagttac cctngggata acagcgcaat cctattctan 300
agtccatata aacaataggg tttagacact cgaatnttga tcatgacatc ccgatgggtgc 360
agccgctatt aaagggttcgt ntgttcaaca attaaagtcc tacgtgatct gagtnacanac 420
cggantnata caagtcggtt tctatctact tcaaattcct ccctgttcga 470

<210> 526
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<212> DNA
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aaacantngn ngccngntta tagattagaa gaggtcaagg ataaagatgg naagccactc 120
ctgncaaaaag agtctnaagg nacagcttcc acccatggag tggaagactt ccttctgggg 180
tggctttgtg tgtagggnct tctgctgggt ccacaaaatn gcttcatctg cttaaaattt 240
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<211> 323
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<213> Homo sapiens

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<400> 527

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tccnatttgt atttaagtta cctaatttaa gaaggtttta aaaatggaaa ttcagtatat 120
aatatttgtg nggttttttt ccacagttaa aaatgaaatt atgcagaaaa tgttccccac 180
aacatgacag ngaaaggaat tctgggacac gttttttccc agtcccatta ttttcacagg 240
gatcggttg aatacagggt caaaggatct ctttgccaga atgtgccaaa ntngntgaaa 300
aaggtaaactg tttatcnctg atn                                     323
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<210> 528

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aagtggaaaca gcccggagcc tgtatgtgaa aggnccacgg gtgttntaag ctagggacac 120
ggangtccaa acttggaatc aaacggncgn actgttaa at tatatcttat naactnatta 180
aatgaaaaca ttttgctccg taaaaaga at ataaaaaagt 220

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<212> DNA
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<400> 529
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tcctttcacg gggaatacaa cacttatgag gtgggtttaga caaattaatg accacttcca 120
tgtaaaagga tgctcttatg ttctatataa gcctcatggg aagaataaaa cagcaggaga 180
aactgcttca ggggccctgt caaagttaac ccgtgggatt gaaagatgaa tcgctggctt 240
atatctatca ttgccaaaat cattatTTTT gtccaattgg ctccc 285

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ctgtgatgag gaccctaaag 79

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<212> DNA
<213> Homo sapiens

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acacaaatga tggatttaga attggcaatg ntgcgtcaaa accatgggtt atcatcatat 120
gactnaggag gagnggtttg aagttgatca gctccagggt ttgtgaaaat tcantccgca 180
atggtaactt tcaggtnctt nggaactgca gctggaggag ngnctnctng gccctt 236

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<211> 341

<212> DNA

<213> Homo sapiens

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aaatttttaa aatctgaagg gnaaatgttt tgtgaaacat ttattttttt aaaggaaaag 180
ntgaaaggca ggcctatttc atcacaggac cacacacatn tncncggnnt agggcatnca 240
nactcaatgg ctttntttgt gaaatttggg tgttttttna atttnttnt gntcaaattg 300
atgtggccaa aaacctttta nctggggttg cntgggaaat t 341

<210> 533
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<212> DNA
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<400> 533

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ccatgggctg anacctgacg gtgaaagatg ctggcgggca acnaattcca ggtgtccctg 120
aagncagctg ccatgtgggt gtnaaagctg aaggcgcgag ntncaccag naagatcggg 180
gtgcacgctn tnttagccag gcgtttgg 208
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<211> 252

<212> DNA

<213> Homo sapiens

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ttagaaagtt tcaacagggt gctgctggca acatgaaagg natgatggga attcaatgaa 120
tatgtgaaag gaaaatgccc ttgaatatga anctgaaactg canttgaaat gacctgaatt 180
tgccctgagaa cctgcagcgt ttnccttcc tttttgccga aattgggcgg ggaaagtgt 240
attttnnctn ng 252
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<210> 535

<211> 380

<212> DNA

<213> Homo sapiens

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<222> (309)

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<222> (313)

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tagagagtta agatgtaaat gtgttctcac atgtnaantt tgagagttca ggggtctatt 120
atggaatgat acacnttttt aatgaacctt aaaatanttc actaagntgt ttgccttcca 180
nagtgtttac ccttaagcct taacntgtat ctncnttcag aaaaccgtta tnttgtgcaa 240
accatagtag gaaganaaac ctttatttgg gatataacac tactgttaagt tatgttacag 300
angctananc canccnctg tgttananta nangagccaa aannancaan agaaaaaagg 360
ggaaaagaaa aactaatang 380

<210> 536
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<220>
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<222> (68)
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cgcaggtntt ctgcgcgcc cggtcagcca t 91

<210> 537
<211> 316
<212> DNA
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<222> (314)

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<400> 537

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atttttaaac atctgataaa acttaagctt ctttttcaga tgtttaaatt ttatcatcct 120
tttttttctc atgaattctt aaaggattat gctttaatgc tgtnatctat cttattgttc 180
ttgaaaatac ctggcatttt ttggtatcat gttcaaccaa catcattatg anattaatta 240
gattcccatg gccataaaaa tggctttaa aagaatanata tatatttntn aagtagctga 300
gaagcaaatt ggcngt 316
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<210> 538

<211> 374

<212> DNA

<213> Homo sapiens

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<220>
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tgatcccat cgtgtgggt ggtgccctgg cggggctgg cctcatcgtc ctcacgcct 120
acctcgtcgg caggaagagg agtcacgcag gctaccagac tatctagcct ggtgcacgca 180
ggcacagcag ctgcaggggc ctctgttcct ttctctgggc ttagggtcct gtcgaaggga 240
gggcacactt tctggcaaac gtttctcaaa tntggttcat ccaatgtgaa gttccatctt 300
ggnaancatt tgactatgca caacagatta attancgaaa tggacgggtgt tnantttggc 360
taaattgggtt aaat 374

<210> 539
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<212> DNA
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<220>
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<222> (62)

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<220>

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<222> (82)

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<220>

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<222> (108)

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<400> 539

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<210> 540

<211> 396

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (340)

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<222> (353)

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<220>

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<222> (393)

<223> n equals a,t,g, or c

<400> 540

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tgtggcggcc aagcgttcat agcgacgtcg ctttttgatc cttcgatgtc ggctcttct 120
atcattgtga agcagaattc accaagcgtt ggattgttca cccactaata gggaacgtga 180
gctgggggtt agaccgtcgt gagacaggtt agttttaccc tactgatgat gtgttggtgc 240
catggtaatc ctgctcagta cgagaggnac cgcagttcag acattgggtg atgtgctggg 300
ctgaggagcc aatggggcga aactacccat ctgtggggan tatgactgaa cgncttctaa 360
gtcagnatcc cgcccaagcg gaaacgatan ggnagc 396
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<210> 541

<211> 429

<212> DNA

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<220>

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<220>

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<222> (353)

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<220>

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<222> (382)

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<222> (414)

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<220>

<221> misc feature

<222> (418)

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<220>

<221> misc feature

<222> (419)

<223> n equals a,t,g, or c

<400> 541

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aagcagaatt caccaagcgt tggattgttc acccactaat aggggaacgtg agctggggtt 180
agaccgtcgt gagacagggt agttttaccc tactgatgat gtgttggtgc catggtaatc 240
ctgctcagta cgagaggaac cgcagttcag acatttggtg tatgtgcttg gctgaggagc 300
caatggggcg aacnaccatc tgtgggatta tgactgaacg cctctaagtc agnatcccgc 360
ccaggcggaa cgatacggcc ancgccgcgg agcctcgggtt ggcctcggat agancggnnc 420
cccgccgtg 429

<210> 542

<211> 617

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (18)

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<222> (49)

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<222> (52)

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<222> (552)

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<222> (612)

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<400> 542

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ccacgcgtcc gagtttccct caggatagct ggcgtctctg cagacccgac gcacccccgc 120
cacgcagttt tatccggtaa agcgaatgat tagaggctctt ggggccgaaa cgatctcaac 180
ctattctcaa actttaaatg ggtaagaagc ccggctcgct ggcgtggagc cgggcgtgga 240
atgcgagtgc ctagtgggcc acttttggtg agcagaactg gcgctgcggg atgaaccgaa 300
cgccgggtta aggcgcccga tgccgacgct catcagaccc cagaaaaggt gttggttgat 360
atagacagca ggacggtggc catggaagtc ggaatccgct aaggagtgtg taacaactca 420
cctgccgaat caactagccc tgaaaatgga tggcgtgga gcgtcgggcc cataaccggc 480
cgtcgccggc agtcgagagt ggacgggagc ggcgggggcg gcgcgcgcgc gcgccgtgtt 540
ggtgttcgcc gnttcccag tgggcaagcg ccccaacccc cttccttntt ggttcctctt 600
nccccaatng gnaacaa 617
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<210> 543

<211> 302

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (134)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (135)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (148)

<223> n equals a,t,g, or c

<220>

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<222> (156)

<223> n equals a,t,g, or c

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<222> (281)
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<222> (282)
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<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c

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tgtacattgc taccagatta tggatggact gatctgaaaa tcaacctcaa ctcaaggggtg 120
gtcagctcaa tggnnacacag agcacggnc tttggnttct ttgcagtact ttgaatttat 180
ttttctacct atatatgttt tatatgctgc tgggtgctcca ttaaagtttt actctgtggt 240
gcaaaaaaaaa aaaaaaaaaa aaaaaaaaaa gggggccccc nntaaggggc ccnantttng 300
ga 302

<210> 544
<211> 534
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (142)
<223> n equals a,t,g, or c

<220>
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<222> (174)
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<220>
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<222> (252)
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<220>
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<222> (281)
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<220>
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<222> (283)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

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<220>
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<222> (318)
<223> n equals a,t,g, or c

<220>
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<220>
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<220>
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<220>
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<222> (386)
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<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<220>
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<222> (419)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (436)
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<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (483)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (493)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (498)
<223> n equals a,t,g, or c

<400> 544
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ttctgcataa tgaattaact agaaataact ttgcaaggna gagccaaagc taagaccccc 120
gaaaccaaac gagctacctt nnagaacgct aaaagagcac acccgtctat gttngccaaa 180
tagtggaataa aatttatagg ttgaaggcga acaaacctac cgacctggta atactggttt 240
gttccaaaat anatcttaat ttccactttt aattttgccc ncnaaacccn ctaatncccc 300
tttttaattt actgttnngn tccaanaag gnaacncnct ttgggacnct tngaaaaacc 360
ttttttaaaa aaattttaaa tttntncccc tnttgggggc cctaaacccc ccccttttna 420
aaaggntttt tcaccncccc ccccccccg aaaccccccc nttttttttt ccccccccc 480
ctnggacctt ttncccnnaa aaaaattttt ttttttttta aaaaccccc cccc 534

<210> 545
<211> 355
<212> DNA
<213> Homo sapiens

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<222> (14)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
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<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (169)
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<220>
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<222> (247)
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<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<220>
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<222> (281)
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<220>
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<222> (299)
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<220>
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<222> (355)

<223> n equals a,t,g, or c

<400> 545

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aactactctt caagtgggtg cncagtccca gcanggcagt ccgcctctcc ccctgctgag 120
actttaatct ccaccagccc ttaaagtgtc ggccgctctg tgactggant tatgctcttt 180
tgaaatgtca caaggccgcc tcccatctct ggggggtattg ttacaaattc ttcctctccc 240
tgaaatngcc tttcctgctt tcctccgtgg gtaagttcna ncaaatttcc tctagcttnc 300
ctggaaggaa tcactcccc caaggaaacc tcccttncct tttcctgggg tgtn 355
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<210> 546

<211> 269

<212> DNA

<213> Homo sapiens

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<220>

<221> misc feature

<222> (232)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (252)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (267)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (268)

<223> n equals a,t,g, or c

<400> 546

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ggattcttct cactagtctt aacaaaatct gtgatgttaa atgactgatg ctctcaattg 120
tgatccagag ttttaaataa atgaaatcaa ggtgggattt tgggaatata tcctgaantt 180
taacatcttg atgttccttc ttgtttgtta aaaaaaaaaa aaaaaactcg angggggggc 240
cggtaaccaa tnccccctaa tagtgannc 269
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<210> 547

<211> 82

<212> DNA

<213> Homo sapiens

<220>

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<220>

<221> misc feature

<222> (40)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (54)

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<220>

<221> misc feature

<222> (56)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (63)

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<400> 547

ggaaaacatg gaaaaggatc tggaaagtgg gcttgcanan gcttgggacg gaanancctg 60
atnccggccc tgatggtcac gg 82

<210> 548

<211> 362

<212> DNA

<213> Homo sapiens

<220>

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<220>

<221> misc feature

<222> (311)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (338)

<223> n equals a,t,g, or c

<220>
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<222> (344)
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<220>
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<222> (360)
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<400> 548
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gtatttagtc tccattgtct tgcattggga tttgagaaga aaatcagaga gggaagatct 120
ggtatttcct ggcctaaatt ccccttgggg aggacaggga gatgctgcag ttccaaaaga 180
gaaggtttct tccagagtca tctacctgag tcctgaagct ccctgtcctg aaagccacag 240
acaatatggt cccaataaac cgaatgcacc ttctgtgctt ccaccttctt ccttgaaatt 300
caagggtctt nccgtttccc cattcccccc caggccantc caanttattc caaacctgn 360
tt 362

<210> 549
<211> 448
<212> DNA
<213> Homo sapiens

<220>
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<220>
<221> misc feature
<222> (239)
<223> n equals a,t,g, or c

<220>
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<222> (251)
<223> n equals a,t,g, or c

<220>
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<222> (259)
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<220>
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<222> (281)
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<220>
<221> misc feature

<222> (284)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (299)
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<220>
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<222> (301)
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<220>
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<222> (319)
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<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<220>
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<222> (374)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<220>
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<222> (437)
<223> n equals a,t,g, or c

<220>
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<222> (446)
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<400> 549
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tgagggtgggt ctacctcatc tctgaaaatt ctggaaggaa tggaggagtc tcaacatgtg 120
tttctgacac aagatccgtg gtttgctactc aaagcccaana atccccaagt gcctgctttt 180
gatgatgtct acagaaaatg ctggctgact gaacacattt gcccaattcc aggtgtgcnc 240
agaaaaccga naatattna aattcccaat ttttttctta ngancaagaa aaaaatgtng 300
ncctaaaagg ggtaattna aggggttagg ggttatgaaa gancttgatt tggatctctt 360
tttatttttaa tttnaatttc acttttgaca tccaanaaaa actttgttga aatacttctg 420

ttctcaatgt ttgganaaa aatcanc

448

<210> 550

<211> 502

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<220>

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<222> (153)

<223> n equals a,t,g, or c

<220>

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<222> (158)

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<221> misc feature

<222> (207)

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<220>

<221> misc feature

<222> (296)

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<220>

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<222> (318)

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<220>

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<222> (327)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (329)

<223> n equals a,t,g, or c

<220>
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<222> (342)
<223> n equals a,t,g, or c

<220>
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<222> (381)
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<220>
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<220>
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<222> (427)
<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (493)
<223> n equals a,t,g, or c

<400> 550
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cgcaatagat atagtaccgc aaggagaaga tgaaaaatta taaccaagca taatatagca 120
aggacttaac ccctatacct tctggcataa tgnaattnaa ctaggaaatg aactttgcaa 180
ggggggagcca aagcttaaga cccccgnaaa ccagacggag cttaccttaa ggaacagctt 240
aaaagaggca caccogtctt atgtaggcaa aatagtgggg aaggtttttt aggttngagg 300
cggaccaaac cttaccgngg cctggtngnt agcttggttg tnccagggtta ggatctttta 360
gtttccaact ttaaattttg ncccacagga acccttttaa atccccttgt tnaattttta 420
ccgtttngtc ccagggggg accagttttt tggccattgg ggnaaaacct tttggggggg 480
gttaaaaatt ttnccccct gg 502

<210> 551
<211> 119
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (57)
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<220>
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<222> (107)
<223> n equals a,t,g, or c

<400> 551
aaaaaggaaa ttaagagaag gtagaaattt aaatntttta atgaaaataa tgcttttaat 60
cattaaaaca ggatatgaat actccaatcc tttttaanat tatnacngtt ttcaaaatt 119

<210> 552
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (389)
<223> n equals a,t,g, or c

<400> 552
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aaccaagcat aatatagcaa ggactaacc cttataccttc tgcataatga attaactaga 120
aataactttg caaggagagc caaagctaag acccccgaaa ccagacgagc tacctaagaa 180
acagctaaaa gagcacaccc gtctatgtng caaaatagtg ggaagattta taggttgagg 240
cgacaaacct accgagcctg gtgatagctg gttgtccaag ataaatctta gttcaacttt 300
aatttgccca cagaacctct aatccccctg ttaatttact gtttgtccaa agaagancac 360
tctttggacn ctnggaaanc cttgtaaana aattaa 396

<210> 553
<211> 253
<212> DNA
<213> Homo sapiens

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<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>
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<222> (100)
<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

<220>
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<222> (216)
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<222> (230)

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<400> 553

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acaaaaaaga aaaggaacaa agccaagaaa ggacanagan gaaatgcttt gggaccagtc 120
tattcttggga ttttgaactt tcaaattggt tctcccaagt taaattgaaa aatagtgaga 180
cttggtttta tgaatcgtgt tcntacactt tcttantnat nggtccttn ctcctaccaa 240
ggctattaac aat 253
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<210> 554

<211> 431

<212> DNA

<213> Homo sapiens

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<222> (417)

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<222> (430)

<223> n equals a,t,g, or c

<400> 554

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aaaattataa ccaagcataa tatagcaagg actaaccctt ataccttctg cataatgaat 180
taactagaaa taactttgca aggagagcca aagctaagac ccccgaaacc agacgagcta 240
cctaagaaca gctaaaagag cacaccgctc tatgttngca aaatagtggg aaaaatttat 300
aggttngaag cgacaaacct acgagcctgg tgatactggg tgttcccaga atanaatctt 360
agtttcactt ttaattttgg ccncagaacc ccctnaatnc ccttggttaa ttactnttt 420
agttccaaan a 431
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<210> 555

<211> 489

<212> DNA

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cttaccacat acatctctct cttcggatat gagctgnaaa ctccttatnt cancgctcta 120
actctgnagt cctaattntt ctagttggac caaaaaaaat connattgtt tgatctaang 180
agangnaatt taccaatnct gtatacgcat gtgtgtgtgt cgcttaaacg anctgtccgg 240
ttatanaaaa tcctgatcgt cataaatcat gtctanacat catgtaatga attgcacgat 300
ttaatatgtt ccctatttagc antcactaca anctatttct caaatntacn tatttctccg 360
taaacaanca ttcagtactc cntcggatct ctaaaaatcc tctatgatct ntncacatca 420
ctgataaaga ccaattcgta tatacatgac tgtccttanc acatattcac tatcagtaga 480
aaagcnanc 489

<210> 556
<211> 77
<212> DNA
<213> Homo sapiens

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<221> misc feature
<222> (66)
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<222> (75)

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<400> 556

ggaaaatatt atncagtaaa caatantgtg tgaactttta aaatggataa tagggcatgg 60
actgantgct gctanct 77

<210> 557

<211> 506

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

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<220>

<221> misc feature

<222> (228)

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<220>

<221> misc feature

<222> (270)

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<220>

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<222> (286)

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<222> (293)

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<220>

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<220>
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<222> (369)
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<222> (501)
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<400> 557
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gcgatagaaa ttgaaacctg gcgcaataga tatagtaccg cagggaaaga tgaaaaatta 120

taaccaagca taatatagca aggactaacc cctatacctt ctgcataatg aattaactag 180
aaataacttt gcaaggagag ccaaagctaa gacccccgaa nccagacnag ctaccttaga 240
acagcttaaa gagcacaccc gtctatgttn caaaatagtg ggaaanattt atnngttgaa 300
gcgacaaaacc taccgacctg gtgatactgg ttntccaana tanatcttan ttcactttaa 360
tttgccacng aacctcttaa tcccttggtta atttactggt antccaaaaa agacactctt 420
tggacctagg aaaaaacctt tttaaaaaat taaaaattta caccntttt nggctaaaaa 480
cngcccccac tttaaaaaag nttcaa 506

<210> 558

<211> 298

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (166)

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<220>

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<222> (252)

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<220>

<221> misc feature

<222> (263)

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<220>

<221> misc feature

<222> (269)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (286)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (291)

<223> n equals a,t,g, or c

<400> 558

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cacanaagaa agtcaaggct ggaatttcat tctcttatct aaatctctct gttctctctc 120
agggaatatt ttcagagaat aggtggaatn aagtgaggct gtgganaatg ttatctataa 180
taggatagac tttcttctgt gcacctgatg ggagggtaat gtctaatagt ttatcagtaa 240
cagtaaaaat anagcaaata ccngaaaant aaataagggg gggccnttct naaaaatc 298

<210> 559

<211> 295

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

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<222> (109)

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<222> (128)

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<220>

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<222> (276)

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<220>

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<222> (290)

<223> n equals a,t,g, or c

<400> 559

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ggataaatac tgtcantcca ttgatttatc tcctcctgtc ccccatctna aatacccatg 120
ctgcttttct gagtggtgat ggggggtacc atcttgatcc actgttgctc ttagaangcc 180
canaanntct ttgggcattg ncaaggaaat cccggattat ctggaaaacc ctcnctttct 240
cttcacggct gtaccagaaa atccctaaga cagatnttgc ggtggncgan caata      295
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<210> 560

<211> 371
<212> DNA
<213> Homo sapiens

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<220>
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<222> (41)
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<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
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<222> (114)
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<220>
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<220>
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<222> (161)
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<220>
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<220>
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<222> (299)
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<220>
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<222> (311)
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<220>
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<222> (341)

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<220>

<221> misc feature

<222> (350)

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<220>

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<400> 560

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agtgccaggt ggggagtttg actggggcgg tacacctgtc aaacggtaac gcanagtgtcc 120
taaggcnagc tcagggagga cagaaacctc ccgtggagca naagggcaaa agctcgcttg 180
atcttgattt tcagtacgaa tacaagaccg tgaaagcggg gcctcacgat ccttctgacc 240
ttttgggttt taagcaggag gtgtnagaaa agttaccaca gggataactg gcttgtggng 300
gccaaagcgt natagcgacg tcctttttga tccttcgatg nccgctcttn ctatcattgn 360
gaagcataat t 371
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<210> 561

<211> 205

<212> DNA

<213> Homo sapiens

<220>

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<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (67)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (186)

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<220>

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<222> (193)

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<220>

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<222> (201)

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<220>

<221> misc feature

<222> (202)

<223> n equals a,t,g, or c

<400> 561

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taccacnact ctgatcggtt ttctactgac ccggtgaggg gggggggcga gccccgaggg 120
gctctcgctt ctggcgccaa gcgcccgggc gcgcgccggc cgggcgcgac ccgctccggg 180
gacagngcca ggnggggagn nngac                                     205
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<210> 562

<211> 580

<212> DNA

<213> Homo sapiens

<220>

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<222> (3)

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<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (19)

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<220>

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<222> (21)

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<222> (23)

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<220>
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<220>
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<220>
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<220>
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<222> (448)
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<220>
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<220>
<221> misc feature
<222> (515)
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<220>
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<222> (542)
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<220>
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<222> (561)
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<220>
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<222> (569)
<223> n equals a,t,g, or c

<400> 562
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ccacgcgtcc gcccatTTTT cCGgttgata atgcaataga taatgggnaa gaanttcaag 120
ttgcattgcc natcttaatg gcagcttatg caatggcgga agcgtttatg tcaacaggag 180
ttggagcttc tcttataccta attgcattaa aagtaggaat tactgctaaa actgttgcag 240
ttataggagc tattgtcaca tcaatattat caatagcaac tgggacaagt tggggaacat 300
ttgcagcctg tgcacctatt tttttatggc taaatcatat agttggcgga aatattttat 360
ttgacaacaa gcagctattg cangangagc atgttttgga agataatata ggactatttc 420
agatactaca atagtaaagt ctggtatnca aaaaagtttg aaagttgtaa gaaagaattn 480
gacacccaag gtggtatggg caagcattag ntttnataat tcaaggaatt aataggcatt 540
tncttaatgg gtgggattta ncaatgggna tttaaccctt 580

<210> 563
<211> 198
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (4)
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<220>
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<220>
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<223> n equals a,t,g, or c

<220>
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<220>
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<220>
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<222> (132)
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<220>
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<222> (164)
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<220>
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<222> (173)
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<220>
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<400> 563
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ctcccgcgag tcccgggncc ctcccgcgcc nctatactcg gcgcgcgcgc agcatggcgc 120
ccccgcaggn cntcacgttc gggcttctga ttgccgcggc gacngcgact ttngccgcag 180
ctcaggaaga atggagna 198

<210> 564
<211> 176
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<220>
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<222> (25)
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<220>
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<222> (104)
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<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<400> 564
caactgnagc tcattctgtt anagntcctc attcanctgg tcactgtgga cagagggtgt 60
tggcctgctn ccttctaagt attcttaaag ccatggattt ttgnggacca ttttcttctg 120
ntcttccttg agntatttnc tttntttgct atcttgggac tcttctttgt gcttga 176

<210> 565
<211> 264
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
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<222> (47)
<223> n equals a,t,g, or c

<220>
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<222> (139)
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<220>
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<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (255)
<223> n equals a,t,g, or c

<220>
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<222> (257)
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<400> 565
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aataatttaa caagctcagc tctgctttat ctgagtttag tggcctaata atatatgtag 120
agaaagatgg tggggttgnt cacctctgta cagaccatct gtatgttagg tgacattgat 180
tatgggttat aatcagggaa actaattgga ttttagtgaca aaaataaaaa gttttttttt 240
tatganaaaa aannnanggg ggac 264

<210> 566
<211> 411
<212> DNA
<213> Homo sapiens

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<220>
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<222> (295)
<223> n equals a,t,g, or c

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<222> (382)
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<220>
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<222> (387)
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<220>
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<222> (393)
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<400> 566
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cgctccatgt tcatgctcag atggcagaga atgaanaaga nggtagtggn ggcggaggca 120
gtgaagagga tccccctgc anacaccaa gctgtgaaca gaaagactgc ctggccanca 180
aaccttgga catcagcctg gccancctg aaagcatecg cagtgccta gagagttctt 240
gatgcacagt ctgacgatgt gccagacatc accttcagaa tgaaatgtgg nttcnccgc 300
tcccatactg cagcctgcc ctgcacccc agagnccaag gtgcaccgag cccaagtgcc 360
catatgaacc tctctgccct anccnangga canactgtct tgaagccaga a 411

<210> 567
<211> 208
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<220>
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<222> (194)
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<222> (201)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (202)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c

<400> 567
ggggaaaggg acctttccga aaaacatntt ttgggggaaat aaaaatgtgg actgtgaaaa 60
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
nggggggcct tttnaaaaaa nnaaantt 208

<210> 568
<211> 322
<212> DNA
<213> Homo sapiens

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<222> (204)
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<220>
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<222> (291)
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<220>
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<220>
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<222> (306)
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<220>
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<222> (320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<400> 568
ncttggtcta ncctggctgc tcagaaaagag cagtcaggac ttgagggaag catcaaattc 60
tatacccata aactgcagtt ggaagtcagc tttttgaaat gtccagcctt tgcccaattg 120
tttcagatca tctcattcct caggcttttg caggtatcct gccctccatc ttattccagt 180
gtgttcacct natcaaggca gcanagtggg tgaaggagta agtctgccct ttgccatact 240
gaacagctgt ggaccccgat tgggtgagggc tctgcatatg cctgtatgaa ngagatacan 300
gtgtgngtgc acatgccggn nt 322

<210> 569
<211> 594
<212> DNA
<213> Homo sapiens

<220>
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<220>
<221> misc feature
<222> (487)
<223> n equals a,t,g, or c

<220>
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<222> (499)
<223> n equals a,t,g, or c

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<222> (541)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (575)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (588)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (591)
<223> n equals a,t,g, or c

<400> 569
gggaaccgca tcctaattca gagaatattg ctgcaatctc tcagtcttca gtggggttcag 60
acttgtttgt atttaaacct agtgagccaa ggccattgta tattcaaaag ggtatctcca 120
gagagaaaagt ccagtgggga gtgtttgttc caagagatgt ccctgaatcc ttcacctcag 180
aagcttacca gtggctaaat agatcccagt tttacttcct aacaaaatca cagagtttat 240
tgacattcag tacaaagtct ccagaagaaa aactcacacc aacanagcaa acagctgcta 300
gcagaagaaa gtcttcccac aaccccattt tatttcatat tgggaaaaca caggcaacag 360
caggatgaaa aactaaacga aactttagag aatgagctgg tacaactacc cttaacagaa 420
aacatacccg caattagtga gcttcttcac actccaccca tgtcctgcca tctgctgctt 480
tcctgtntct catgtttgna aattcattgc tgctgtctaa aggagactaa gaagtgctaa 540
ngaaattcct gaaaaatgta gatatgggaa gaagnaaaac ggaaagtnaa natt 594

<210> 570
<211> 310
<212> DNA
<213> Homo sapiens

<220>
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<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (286)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (290)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (305)

<223> n equals a,t,g, or c

<400> 570

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gcggacgcgt gggaaataat tgcattaaaa tacaaaaggt gatagggaag aattaaaaga 60
tttgcagtat tgtacacaaa agctaataat tttgtgtact ttttatttat tttggagggt 120
ttatatgata ttcaattgag tattaaataa tttgcctaga ttaagcctaa aatgatgacc 180
agctaattaa agaagatatt ttgaatctgg ttctgagcta aagttgagta aattcttagc 240
taagaaaaaa ttggaaatcc atcatctata ttanacaacag attctnanan taaattggta 300
acttntatga                                     310
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<210> 571

<211> 109

<212> DNA

<213> Homo sapiens

<220>

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<222> (46)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (64)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (94)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (97)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (108)

<223> n equals a,t,g, or c

<400> 571

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gggcggttgc ggtagtgga ccgggaccgg taggggtgct gttganatta tggttgaccc 60
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ctancccccgg taccctgaat gatagatcga ggangannta actatagna

109

<210> 572

<211> 429

<212> DNA

<213> Homo sapiens

<220>

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<222> (295)

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<220>

<221> misc feature

<222> (322)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (374)

<223> n equals a,t,g, or c

<220>

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<222> (392)

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<220>

<221> misc feature

<222> (399)

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<220>

<221> misc feature

<222> (419)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (420)

<223> n equals a,t,g, or c

<400> 572

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cagggtatcc cttctccctc ccttggtcagc cttccttcct tctttgaaaag gagaagtcac 120
acgttaagta gatctacaac tcatttgata tgaagcggtta ccaaaatcctt aaattataga 180
aatgtataga cacctcatac tcaaataaga aactgactta aatgggtactt gtaattagca 240
cttggtgaaa gctggaagga agataaataa cactaaacta tgctatttga ttttncttct 300
tgaaagagta aggtttacct gntacatttt caagttaatt catgtaaaaa atgatagtga 360
ttttgatgta attnatctct tgatcgaatc tngcattcna aaggccaata atttaaagnn 420
ggctatcaa 429

<210> 573
<211> 202
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (152)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (189)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<400> 573
gggctggggc tgaccgagga ggtggagggg ggnagaggct ggggntgata aatctattga 60
ttgattgtga tagtaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa anaaaaanaa aaaaaaaaaa aaaaaaaaaa 180
aaaaaaaaana aatntaatat gc 202

<210> 574
<211> 229
<212> DNA
<213> Homo sapiens

<220>
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<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
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<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
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<220>
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<222> (163)
<223> n equals a,t,g, or c

<220>
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<222> (172)
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<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c

<220>
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<222> (220)
<223> n equals a,t,g, or c

<400> 574
gcccacgcgt ccgtctagat cgcgagcggc cgcccttttt tttttttttt canaagagct 60
acattgtgtc antggacatt tttaaaaact gtgattttta ataatgtcca atgactgcaa 120
gtcggcctgg attttcactt gcaaaggnta cagctgcatt gtnaggtctc cnagccctgc 180
agagagctcc ntccactggg tagcagtgtg ttgtgttttn cattcattt 229

<210> 575
<211> 260
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (217)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
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<400> 575
gaaaagctta aagaagggtt tactgatcca gatgttggtc agagacttcg agccttgagg 60
gttcttggtg ctgatgttg tgaagggtgtg cgcggggac agtaaaagct taaagaagggt 120
tttcacaggt cactgggctg tggtagagaga aggcctcacg aacccttgga ttccggataa 180
ctgggtcttg ggcggngtgg cttctgaaca ctgcnantgc taccgagttc tacactgaaa 240
aggactggan caagaangac 260

<210> 576
<211> 263
<212> DNA
<213> Homo sapiens

<220>
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<222> (208)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (212)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (251)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (255)

<223> n equals a,t,g, or c

<400> 576

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cagcagatag cagtgtacag aaagcaaaaa aggaactgta tgtgaggcac ttgtttctgt 120
taatatccat attcctgtta acacacaccc tttctcatgt aaaaagaaaa ataaataaat 180
ggtctgaact ttgaaaactt tgtgctgnta ancatagatt ttggagacaa atnaatagat 240
gctatgctgt ntcantttca tag 263
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<210> 577

<211> 366

<212> DNA

<213> Homo sapiens

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<220>

<221> misc feature

<222> (361)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (364)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (365)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (366)

<223> n equals a,t,g, or c

<400> 577

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gaggaaacac tgtctatgat aggatttcca aaagtatttg tggacagtta aatgctaatt 60
```

aatatacatc tgtagttatt ctacattttc ttgaaatttg ggaggttaat accaagtatt 120
catttcatga tgtaaagaaa ctgaacagtg aagtggcttg attgcttaaa ctattgactt 180
ggtaagtcta ctgtatataa catctaatat atatattaca ggccaaatga actaaacatt 240
gccttgctat attcaccaaa aggacttaat tcttggtttt ttcccagttt tatatanagg 300
aaacactatg ataggatttc ctaaagtatt tgtggacagt taaatgctaa ttatatacat 360
ntgnnn 366

<210> 578
<211> 595
<212> DNA
<213> Homo sapiens

<220>
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<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
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<222> (14)
<223> n equals a,t,g, or c

<220>
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<222> (158)
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<220>
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<222> (212)
<223> n equals a,t,g, or c

<220>
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<222> (376)
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<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (419)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (483)
<223> n equals a,t,g, or c

<220>
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<222> (564)
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<220>
<221> misc feature
<222> (565)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (570)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (572)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (576)
<223> n equals a,t,g, or c

<400> 578
gganngctgg attnggccca ggcaaagacc agcaggaaga agaaatttgg gaaaaaaaaac 60
aaggaccagg gaggtgagta ctgagggcca gggaagagga gtaggggtgt ctcaggggtga 120
tctctggccc accgccttgg ccccttctcc caggtctnac ccaggcacag tacattgact 180
gcttccagaa gatcaagtac agcttcaacc tncgtgtagg tggctcccca caagttcacc 240
aggcctctcc tcttccccctt cctccccagt aatcctctgc tgtctggact caaccatccc 300
aagccttttt cttcttcatc tactccccct agaacctccc cttccctctt gggacttttg 360
ggaagtgcc gccttncagc caaggcataa aacaattatg gtgacctggt gaanatggng 420
tggtgtgaag ggtggtgaca ggcattgctc tttgtcccca agggaaaggc tggcccacct 480
ggnttgaagg agacaagtgc cccctgagct cgtacacatt cctctttaag tcccttgaac 540
tttcgtgaag ttaagggacg acannngtgn tnaaanacgg acaggcttga agtca 595

<210> 579
<211> 132
<212> DNA
<213> Homo sapiens

<220>
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<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (64)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (77)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (79)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (110)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (115)

<223> n equals a,t,g, or c

<400> 579

cnaccttcta agagatntaa tgggtcacta tgtgtgggta ttctacatta agcctacaac 60
attnttcagg gttgganana tgaactaata ctggtgaaaa ttaccta an acctnggta 120
tcaaaaacat ct 132

<210> 580

<211> 558

<212> DNA

<213> Homo sapiens

<220>

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<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>
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<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
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<222> (236)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
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<222> (370)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (410)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
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<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (507)
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<220>
<221> misc feature
<222> (529)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (543)
<223> n equals a,t,g, or c

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<222> (547)
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<220>
<221> misc feature
<222> (553)
<223> n equals a,t,g, or c

<400> 580
ntcggaaatna accntcactt aagggaaaca aagctggagg angcgcgcct gcaggtcgac 60
actagtggat ccaaagaatt cggcacgagg ccgcgttgac cactggcgtc tcgctggtgg 120
tcttcgagac cggcgttggt tgaaaatcgc ccccggtttt ggccgtggcc gcgggtgaga 180
ttcggcgccc agagcccccg ggggcctcag ctcaccgcgc gctgccccat gtgcgncggt 240
gaaacccagg ccccgacagg cgtgcccgc ttcccccccg ggtgcggttc gttcgcgagg 300
tgttggcccc tgattccttg accccgattg cagaccetta acctgtttct ttnttccgca 360
gacaatggtn cttncaccag gctgtacaac cgacggtcgg ccaaggaccn nggggttttg 420
gggggaantt tggtttttcc caaggttttt caaattaaag ttgtttttgt tttaaaaaaa 480
aaaaaaaaaa aaaaattggg ggggtanttt ttgggggggg cccgggggnc ccatggtttt 540
ttncaanccg ggnnggggt 558

<210> 581
<211> 120
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<400> 581
ggggacccgg cccaattccc gggtcgacca cgcgtccgca cgattggaag aagaagcttt 60
tnccttgggn ctaattcgca ctttcctcac gaggaaatna aantagggca aaaaccaaac 120

<210> 582
<211> 260
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (211)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (259)
<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (260)

<223> n equals a,t,g, or c

<400> 582

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ggcanagctc agaatgctta tttccaatta aaacgcctac agctgcctcc tagaatatag 60
actgtctgta ttattattca cctataatta gtcattatga atgctttaaa gctgtacttg 120
catttcaaag cttattaaga tataaatgga gatttttaaag tagaaataaa tatgtattcc 180
atgtttttta aaaaaaaaaa aaaaaaaaaa nccccggggg gggccccggt cccatttgn 240
cccantgggg ggccgtttnn                                     260
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<210> 583

<211> 469

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (162)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (423)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (460)

<223> n equals a,t,g, or c

<400> 583

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gggaggcccc cggcgcccc cgggtgtccc cgcgaggggc ccggggcggg gtccgccggc 60
cctgcggggc gccggtgaaa taccactact ctgatcgttt ttctactgac ccggtgaggc 120
ggggggggcga gccccgaggg gctctcgctt ctggcgccaa gngcccggcc gcgcgccggc 180
cgggcgcgac ccgctccggg gacagtgcc aagtggggagt ttgactgggg cggtacacct 240
gtcaaacggt aacgcagggtg tcctaaggcg agctcaggga ggacagaaac ctcccgtgga 300
gcagaaggggc aaaagctcgc ttgatcttga ttttcagtac gaatacagac cgtgaaagcg 360
gggcctcacg atccttctga ccttttgggt ttttaagcagg aggtgtcaga aaagttacca 420
canggataac tggcttgtgg cggccaaacg ttatagcgan gtcgctttt 469
```

<210> 584

<211> 361

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (253)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (265)

<223> n equals a,t,g, or c

<400> 584

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ggtagtggg accctactga tgatgtgttg ttgccatggt aatcctgctc agtacgagaa 60
gaaccgcagt tcagacattt ggtgtatgtg cttggctgag gagccaatgg ggcgaactac 120
catctgtggg attatgactg aacgcctcta agtcagaatc ccgcccaggc ggaacgatac 180
ggcagcgccg cggagcctcg gttggcctcg gatagccggt ccccgccctg tccccgcccg 240
cggggccccc cccctccac gcgcncgcg cgcgcgggag ggcggtgcc ccgccgcgcg 300
ccgggaccgg ggtccggtgc ggagtgcctt tcgtcctggg aaacggggcg cggccggaaa 360
g 361
```

<210> 585

<211> 482

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (32)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (148)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (165)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (169)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (176)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (203)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (207)
<223> n equals a,t,g, or c

<220>
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<222> (224)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (319)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (441)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (445)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (450)

<223> n equals a,t,g, or c

<400> 585

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ggtacctaac aaacccacag gtcctaaact ancaaacctg cattaaaaat ttcggttggg 60
gcgacctcgg agcagaaccc aacctccgag cagtacatgc taagacttca ccagtcaaag 120
cgaactacta tactcaattg atccaatnac ttgaccaacg gaacnagtna ccctanggat 180
aacagcgcaa tcctattcta tantcentat caacaatagg gttnacgacc tcgatnttgg 240
atcaggacat cccgatgggt gagccgctat aaaangttcg tttgttcaac cattaaagtc 300
ctacgtgatc tgaattcana ccggagtaat ccaggtcggg ttctatctac ttcaaattcc 360
tcnctgtacn acaggacatn aagatataag gcctacttct caaancgcct tccccgtaa 420
atgatntcat ctcaacttaa ntatnatacn cacaccctcc caataaaagg gtctgttggg 480
tt                                         482
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<210> 586

<211> 492

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (79)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (447)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (458)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (463)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (480)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (491)

<223> n equals a,t,g, or c

<400> 586

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ccgantttcta nattnaggna cacctgccgg taccgggtcc ggaattcccg ggtcgaccca 60
cgcgctccggt cctttccent tcccccccc caccgctcct cccctcctcc cgcccacgcc 120
ccgctccccg cccccggagc ccgcgaggac ctacgccgcg acgagtagga gggccgctgc 180
ggtgagcctt gaagcctagg gcgcggggccc ggggtggagcc gccgcaggtg cagatcttgg 240
tggtagtagc aaatattcaa acgagaactt tgaaggccga agtggagaag ggttccatgt 300
gaacagcagt tgaacatggg tcagtcgggtc ctgagagatg ggcgagcgcc gttccgaagg 360
gacggggcagat ggcctccggt gccctcggcc gatcgaaagg gagtcgggtt cagatccccg 420
aatccggagt ggcggagatg gcgccngag gcgtcagngc ggnaacgcga ccgatcccgn 480
agaagcccgg ng 492
```

<210> 587

<211> 248

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (65)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (122)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (124)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (205)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (210)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (211)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (220)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (242)

<223> n equals a,t,g, or c

<400> 587

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ccacgcgtcc ggtaacaac aagaaaggtg taattagaat tgggatgtgg atattttactg 60
tatgnacaac acattttacag ttctgtaatg caaggatgca gtttaaaaat gtgaagtagt 120
gnanggtttt tgaaaataag ctttaaaata tagggatctt gaaaggcccc cgggggtact 180
attttataac ttagaataaa tgggnaatch naactgtgtn tttggtaaata taatttttta 240
antattttt                                     248
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<210> 588

<211> 653

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (510)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (544)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (575)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (578)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (604)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (626)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (653)

<223> n equals a,t,g, or c

<400> 588

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nnncttccta ntggaaattc ccgngacact attgaaggta cgcctgcagg taccgggtccg 60
gaattcccgg gtcgaccac gcgtccggg acgcgtgggg actgcttaga aatatagctg 120
aagtgatcac cacagccata aaattgttta agaaagattt atataatggt taaaaatctg 180
gaatcaagga ttttagctga aatcctttaa gagatattag agcaagtatt taattcaggt 240
attttcaagt tttaaaactt aacctgttta cctactaaaa ataaaatagc tagttttttt 300
ctgcatataa aagttcattg aaatgatatg cccttatttg caatactttt ccataaagt 360
tttaagtgtg aaagaattgt aatttactag atatgtttgg tatgggatat tttgttaggc 420
aagttttctt ttttcttctt aaattgcaat aggcttccaa aaagagtata attgnttcag 480
aacaaattaa ctcttgcat tatacgtctn ctttttctt tacagtatta gtaaaatgaa 540
aaantggaca ctttctgatt taacttcact aatgnaanta ctctctcaag gaagctttta 600
aaanttaaat taccatcaca caaccntttt atagtaaggc aacatttggt ttn 653
```

<210> 589

<211> 625

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (364)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (375)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (398)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (400)

<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (521)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (522)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (525)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (560)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (562)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (563)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (603)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (618)
<223> n equals a,t,g, or c

<400> 589

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gcngaaacct cccgtggagc agaagggcaa aagctcgctt gatcttgatt ttcagtacga 60
atacagaccg tgaaagcggg gcctcacgat ccttctgacc ttttgggttt taagcaggag 120
gtgtcagaaa agttaccaca gggataactg gcttgcgggc gccaaagcgtt catagcgacg 180
tcgctttttg atccttcgat gtcggctctt cctatcattg tgaagcagaa ttcaccaagc 240
gttggtattgt tcaccacac gagccctgtg cttttggtgt aaataatgta caatttgtgg 300
atgtcattga atctagagga ctttcccctt tttatatattg tattaacttt aacttattaa 360
aaanaaaaaa agaanaagaa aaacaattta taaaaaanan aaaaagcaac caacccaac 420
aacaaaaaag aatggttttg tattggagaa gggatgggtc gttaagcctg ctggcacacg 480
acggaatgga tctgggcccc gggaccactt tcatactacg nctnatctt tggataccca 540
gggaggggca accgtttcgn tnngggctgt acccagaagg tggaacggag tttggacaga 600
ctntccatta ggcgtggntc tttat 625
```


<210> 590
<211> 365
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (177)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (205)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (300)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<400> 590

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aagaacctct natccttgca tgccaggcac tctttcaatc acttcagtga ccatttttcc 120
aaaattctga aacatccaca cttagggttt tctttgaatt tgggggtgcc ctccccncac 180
ccggcagcct tctgtgtcag ggggntacgg tcttgatata gacaccattt tttggaccta 240
ggggcagttt tgggattcta gctncagggg tacctgggtc ttaagggcaa ggtttgggan 300
ccggnacttt ttgcaaaacg tgggggcagt ttcaattttg nccctnaang aggccctaga 360
cggga 365
```

<210> 591

<211> 65

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (53)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (55)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (56)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (57)

<223> n equals a,t,g, or c

<400> 591

```
gccctatagt gagtcgtatt acaattcact ggccgctcgtt ttacaacntc gtnannngga 60
aaacc 65
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<210> 592

<211> 269

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (28)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (96)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (123)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (127)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (129)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (132)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (134)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (138)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (152)

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<220>

<221> misc feature

<222> (161)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (198)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (212)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (256)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<400> 592
ggcagagngt gaaggctaga cccggttnac tggaattccc ctggcgatca aggggtccta 60
gtacaccgca atcatgtcta taatgtccta taacgnaggg gccgtaatgg ccatgaaagg 120
ggnaagnanc tntntggncc atcgctgcag anaggcgctt ngggaatcca ggcccagaat 180
ggtgaaccac gggacttnca gaaagatcct tncocatggg ntgaaccggt tgtnaatggg 240
tttgggccgg gnttgncaat taaggtnc 269

<210> 593
<211> 307
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (160)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (172)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (267)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (268)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (278)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (282)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (302)

<223> n equals a,t,g, or c

<400> 593

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ggcagagnag cattctctaa ctctacccca ccctacaaaa tgcatatgga ggtaggctga 60
aaagaatgta atttttatatt tctgaaatac agatttgagc tatcagacca acaaaccttc 120
cccctggaaa agtgagcagc aacgtaaaaa cgtatgtgan agcctctctt gnaatttcta 180
gttagcaatc ttaaggctct ttaagggttt ctccaatatt aaaaaatata accaaagaag 240
tctgctatg ttaaaaaaca acaacannaa acaaacanca gnaaaaaaatt taataaaaaa 300
ancgggg                                     307
```

<210> 594

<211> 128

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (124)
<223> n equals a,t,g, or c

<400> 594
tatccacact gtcaaacagg ttggtgtggg ttcattggca ttctttgnaa tactgcttaa 60
ttgctgatac cntatgaatg aaacatgggc tgnattact gcaatcactg tgcctatcgg 120
canntaat 128

<210> 595
<211> 598
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (328)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (426)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (552)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (560)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (562)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (591)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (593)

<223> n equals a,t,g, or c

<400> 595

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gtgggtttttg gctcttttcag agaggtctca ggttctttcc atgcagactc ctcagatctg 60
aacacagttt agtgctttac atgctgtgct ctttgaagag atttcaacaa gaatattgta 120
tgttaaagca tcagagatgg taatctacag ctcacctctg aaggcaaata taagctggga 180
aaaaagtttt gatgaaattc ttgaagttca tggngatcag tgcaattgac cttntncctc 240
actcctgccca gntgaaaatg gatttttaaa ttatactgna gctgatgaaa ctcttgattt 300
tgnagntaat ttattaagtc tgggatgnag aacttcaaga agtaagagct aagttctaag 360
ntcatgnttg gaaattaata cttnatattg ngctgggcta ttttganttt gggggggaat 420
cagcantatt cttcagaagg ggacctggtt tcttcaaggg aaagaaacac tcttattcca 480
aactacagaa taatggggta aacatgctaa ataggtctat aaggaaacca aatactggat 540
tatctcggag gntattggtt anaagggcct tgggtaaaaa taagggtaaa nanaaagg 598
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<210> 596

<211> 465

<212> DNA

<213> Homo sapiens

<220>

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<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (423)
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<220>
<221> misc feature
<222> (438)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (465)
<223> n equals a,t,g, or c

<400> 596
gaaaaaaaaat ncattgtaaa taacctcagc tgggatgagg agtgacagaa tatcaaaaata 60
atttgtggct gtggattttt ttaactgcta gtagtggaat actggaaaag cttcatttct 120
gaagatgaat tttattttta aaaaatacat gcacactcaa aacttttagc tttgatcaca 180
agtggacaaa tttctgaaac caaaggcaac taagttgctg tgtagctct tgctggattt 240
tgagcctagg tcctactgtc tgccagtact catgtgagtt gtatgtgcc ccagtgtctac 300
atacgcaggt atgcgtaagt gtgtatgctt gttttaaaca aacactcaac gtacatatgt 360
acataatcta cacatatatta tatcacatat ctagctttat tactatagac tatacgaatt 420
ggnggtaaca tgaaatgnta ccttttacag actgttttta aaaaan 465

<210> 597
<211> 320
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
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<220>
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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (132)

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<220>

<221> misc feature

<222> (147)

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<220>

<221> misc feature

<222> (159)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (175)

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<220>

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<222> (187)

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<220>

<221> misc feature

<222> (236)

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<220>

<221> misc feature

<222> (240)

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<220>

<221> misc feature

<222> (259)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (313)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (319)

<223> n equals a,t,g, or c

<400> 597

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ccaaaaagga ccaactggct tctgtgcaact agcctgtnaa ttannttgct tagtatgggt 120
ctnagatctt gnacagtata tttaaactg taaatatgnt tgtgccttaa aaggngagaa 180
gaaagtntag atagttaaaa gactgcagct gctggaagtt ctgagccggg caagtngtgn 240
ggggctgttg ggacacttnc ttgtggggcc cggggtaatc agggcagcct ttcatagggc 300
ggggtccatg tgntggcant 320

<210> 598

<211> 688

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (343)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (471)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (507)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (582)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (584)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (604)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (637)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (642)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (650)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (673)

<223> n equals a,t,g, or c

<400> 598

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gtataggcga tagaaattga aacctggcgc aatagatata gtaccgcaag ggaaagatga 120
aaaattataa ccaagcataa tatagcaagg actaaccctt ataccttctg cataatgaat 180
taactagaaa taactttgca aggagagcca aagctaagac ccccgaaacc agacgagcta 240
cctaagaaca gctaaaagag cacaccctgc tatgtagcaa aatagtggga agatttatag 300
gtagaggcga caaacctacc gagcctgggtg atagctgggtt gtncaagata gaatcttagt 360
tcaactttaa atttgcccac agaaccctct aaatcccctt gtaaatttaa ctgttagtcc 420
aaagaggaac agctctttgg acactaggaa aaaacctttg tagagagagt naaaaattta 480
acaccccata gtaggcctaa aagcagncac caattaaaga aagcgttcaa gcttcaacac 540
ccacttccta aaaaattcca aacatataac tggaacttcc tnanacccaa ttgggaccaa 600
tttntcacc ctattagaaa gaaactaatg gttagtntta angtaaccan tgaaaaacat 660
tttccttcc ggnattaaag ccctggcg 688
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<210> 599

<211> 748

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (543)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (613)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (657)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (707)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (727)

<223> n equals a,t,g, or c

<400> 599

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tagaaattga aacctggcgc aatagatata gtaccgcaag ggaaagatga aaaattataa 120
ccaagcataa tatagcaagg actaaccctt ataccttctg cataatgaat taactagaaa 180
taactttgca aggagagcca aagctaagac ccccgaaacc agacgagcta cctaagaaca 240
gctaaaagag cacaccgcgc tatgtagcaa aatagtggga agatttatag gtagaggcga 300
caaacctacc gagcctgggtg atagctgggt gtccaagata gaatcttagt tcaactttaa 360
atttgcccac agaaccctct aaatcccctt gttaaatttaa ctgttagtcc aaagaggaac 420
agctctttgg acactaggaa aaaaccttgt agagagagta aaaaatttaa caccatagtc 480
aggcctaaaa gcagccacca attaagaaag cgttcaagct caacaccac tacctaaaaa 540
atnccaaaca tataactgac tccttacacc caaattggac ccaatctatc acccctatag 600
aaagaactaa tgntagtatt aagtaaccat gaaaaaccat tcttcctccg gattaanccc 660
tgcgtcagga ttaaaacccc tgaactggcc atttaacagg cccaatntct taccattcaa 720
cccaccnagg tcattattac ccttactt 748
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<210> 600

<211> 253

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (80)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (85)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (91)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (94)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (193)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (197)
<223> n equals a,t,g, or c

<220>
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<222> (204)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c

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ccccgggaaa aaccgcttgn atgcnccaaa nctngtgga ctttgcccca gcagtgatgc 120
ctgccaggaa agggttgaac cgcgaacctt gacgaagggg gggcccgggtt acccaattgc 180
ggccctatag tgnagtngtg attnacaatt gcaactgggcc gtcgtttttg acaagttcgt 240
gatgtttggn nat 253

<210> 601
<211> 524
<212> DNA
<213> Homo sapiens

<220>
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<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<220>
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<222> (411)
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<220>
<221> misc feature
<222> (480)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (500)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (507)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (524)
<223> n equals a,t,g, or c

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gtccacgtcg ctacgagtca gcccattccat ccatgggtac cacttcgaca cagcctctcg 120
taagaaagcc gtgggcaaca tctttgaaaa cacagaccaa gaatcactag aaagggtctt 180
cagaaactct ggagacaaga aagcagagga gagagccaag atcatttttg ccatagatca 240
agatgtggag gagaaaacgc gtgccctgat ggccttgaan gaagaggaca aaagacaagc 300
ttttccattt ctgaaactgc ggaanttttc cttcaaantt cattgaagag aagagggttg 360
ttaaggacgt tttccaggat tggacattca aagaccagtg ggtttttggg nttttacagt 420
tgcagctttg tttttacctt acagtttttt tttttcaggt tccagggttg aagggcccgn 480
ttgaaaggcc cggnttacan ttgtttnaag gttcccacat tttt 524

<210> 602
<211> 397
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (386)
<223> n equals a,t,g, or c

<400> 602
ggcacgagct acgcgggccca cgctgctggc tggcctgacc taggcgcgcg gggtcgggcg 60
gccgcgcggg cgggctgagt gagcaagaca agacactcaa gaagagcgag ctgcgcctgg 120
gtcccggcca ggcttgacag cagaggcggg cggcagacgg tgcccggcgg aatctcctga 180
gctccgccgc ccagctctgg tgccagcgcc cagtggccgc cgcttcgaaa gtgactgggtg 240
cctcgccgcc tcctcttcgg tgccgggacca tgaagtgctg ccgtcgggtg tgctgaaact 300
ctttctggnt tcattctctt cggcactggg tactggcgaa aancctggaa acggctttcg 360
ganaaggcta actgctggna acaagnaaac cggaacc 397

<210> 603
<211> 76
<212> DNA
<213> Homo sapiens

<220>
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<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<400> 603
tcgacccacg cgtcgcacca cgcgtccggt gnttagtata cccgncctgt gggcngccnc 60
agtntcccct cctaag 76

<210> 604
<211> 127
<212> DNA
<213> Homo sapiens

<220>
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<222> (9)
<223> n equals a,t,g, or c

<220>
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<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
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<222> (95)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (126)
<223> n equals a,t,g, or c

<220>
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<222> (127)

<223> n equals a,t,g, or c

<400> 604

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ggagccntag tccgctgcac ggagactgtg gtgtnggnct tgacgagggtg ggtcagtgaa 120
ctcctnn 127

<210> 605

<211> 138

<212> DNA

<213> Homo sapiens

<220>

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<222> (6)

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<220>

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<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (36)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (68)

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<220>

<221> misc feature

<222> (88)

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<220>

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<222> (119)

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<220>

<221> misc feature

<222> (134)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (137)

<223> n equals a,t,g, or c

<400> 605

tttaanaaaa ggggnccctc cagcccagtg gcggangttc tagaactact ggatcccccg 60
ggttgcanga attcggcacg agagggancc gtgggccggg cgcgccggtt cccggcaent 120
gtctcggcac gtgncanc 138

<210> 606

<211> 102

<212> DNA

<213> Homo sapiens

<220>

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<220>

<221> misc feature

<222> (18)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (41)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (81)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (85)

<223> n equals a,t,g, or c

<400> 606

ctcttgaaan agacgtgnag ctgctcctac ccaccactcc nggctgagcc ttgcctgata 60
cagcagcccg gaggcaccac ncgcnaccg agtctcaccc tc 102

<210> 607

<211> 80

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (45)

<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (56)
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<220>
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<220>
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<222> (78)
<223> n equals a,t,g, or c

<400> 607
cacaggcatg ctcataagga aagggttaaaa aaaaaaaaaa aaaantcgag ggggggncgcg 60
naaaccaaat tngcccnnaa 80

<210> 608
<211> 398
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<223> n equals a,t,g, or c

<220>
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<222> (138)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (373)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (377)

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<220>

<221> misc feature

<222> (386)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (394)

<223> n equals a,t,g, or c

<400> 608

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ggactcgggg cgctggaggg aagtttcgtt cttcggagaa acagaacgcg ctcgaggggg 120
caccgtgggg cnaaggnnnc actcggttgc ggcggcagga gtgagggaca gtccccgat 180
ttcctgctcc ctggggccct ggggacgttc cggccaccgg agcgactgtc acgccgacgg 240
ggatcaccgg cgcgagttgg ggggtcggaa agcgcctcct cccgccggtc gcggtccgct 300
aaccacttct cgcttgccctg ttccgctcct taagagcaac tggtgcccctt ttgaagcagn 360
ataagtgtgc tgnqctngaa gcttanccgg ttgnttgt 398
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<210> 609

<211> 275

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (28)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (234)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (261)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (262)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (266)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (274)

<223> n equals a,t,g, or c

<400> 609

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taataggtaa tgcaggtatg ttcagggttaa gccacaatg ttttgcattt ttatgcttat 120
tttctgtcaa cactaatgaa gtcaacattg cctgaatgtc tgaataatga aacacatccc 180
tgtttaaaag tatgttaactg aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaanaaaaaa 240
aaaaaaaaaa aaaaaaaaaa nncccnccggg gggnc 275
```

<210> 610

<211> 433

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (329)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (358)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (391)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (396)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (422)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (429)

<223> n equals a,t,g, or c

<400> 610

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tctcctcagc cgagaatgac ttcgccacc ggatccagga ggtggaagag gatggcccca 120
gcagctgctc ggaggacgat tacagtgagc tgctgcagga gatcacagac aacctgacga 180
ggaaggagat tcagatagag aagatccatt tggacacgtc ctccttcatg gaggagctgc 240
ctggagagaa ggaccttgcc cacgtggtag agatcttatg actttggaac cagcgttcaa 300
gacggaggac ctgcttggca acgtttttnt gagtttccaa gaggaagggg tttcaagntt 360
caattgggtt ggatgataat tcaaggaatt nggcantttt tccctgcccg ggccttaatt 420
tncggaagnc ctg 433
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<210> 611

<211> 497

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (340)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (405)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (422)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (459)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (481)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (487)

<223> n equals a,t,g, or c

<400> 611

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tgctggagca gccggagtcc tccctgggtg tggaggggct ggtgttcctg gcgtgcctgg 120
ggcaattcct ggaaaaccac cccacactgg gaatagccac cttgcccttg tagaatccat 180
ccgcccaccc gtccattcat ccacgggtcc gtccatccat gtccccagtt gaccgcccgg 240
caccactagc tggttgggtg caccaccat caacctggtt gacctgtcat ggccgcctgt 300
gccctgcctc caaccccatc ctaaactccc ccaaggcgtn cggggctgtg cagactgggg 360
tgccaagcat cttctcccca accgggggtg tcccacatgc agtantgtat aacccccatt 420
cnttctcgg tccaatgaac ttcagagcag ttccattent gcccggccat cttttgtgtc 480
ngctgtnaaa ataaata 497
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<210> 612

<211> 503

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

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<220>

<221> misc feature

<222> (28)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (33)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (41)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (47)

<223> n equals a,t,g, or c

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gatntttttnt naaaatctct gtatgaaatn atctccgggg agatagattc nccatntttc 120
ccctgaagnt ttaggggcct ntgcctgccca ctccanaccc tntttntgaa gggcccaagt 180

nactcactat gnaaagaagt cattccctct ngttagtgtt aaanccagtt atgggtcttc 240
ctggaatggn ggataatcca cacgnggnta aatccaaggg ttgnttnatn tgggttcctc 300
cctccctcc ccttccacca gggnttcctt gacagnggcc acagggngac ttttnagggg 360
ttttaggtca ttgnggggat gggtnccngg aaatgggncc agatctgnat tgggggcccc 420
ccntggttgt cccatggggg tnttagnggn ttttaggggn tngtgggggt aaaggggttt 480
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caagtggggt ggcccttggt cacagagctn caggtgacct ctggagagac atgggcattn 120
acatggaaag ctaaaacgga agcttaagct tntattactc aacanaaact tctgtgagac 180
naaangacaa gccatgt 197

<210> 614
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acataaataa atgaagtaag ccatactgat ttaatttatt ggatggttatt ttccctaaga 120
cctgaaaatg aacatagtag gctagttatt tttcagtgtt agccttttac tttcctcaca 180
caatttggaa tcatataata taggtacttt gtccctgatt aaataatgtg acggatagaa 240
tgcatacaagt gtttattatg aaaagagtggtg aaaagtatat agcttttagcc aaagggtgtg 300
cccatacnaag aaatgagcga tatatagaat agtgtgggca ttctcctgta agtggagtga 360
aggggtgaca ttctccccac tctnccancn gggtcncccc atattgaata aaggacgcng 420
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<211> 272

<212> DNA

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cggntccggg aattcccggt gtcgaccac gcgntccgga ataattggaat ataatatgtc 120
ttcataatat aacaacacta ntncnctaat ngtaagatta anttaggcag tcttctacca 180
aatgtggttaa tgnngattgc ctcaaaattg tgggtccacat aatccacnct catcttgcaa 240
agcgctattt cangcacatc attggantac ag 272

<210> 616
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attttcgty ttgntccctt gcttaacngg caaagacctg 160

<210> 617
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caaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaagg aaaaaaaaaa aaaaaaaaaa 180
ggggggggnnn cccngaaaaa aaac 205

<210> 618
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tgtaagaata acttgcgcca ttagggcccat cggaaaggcc caccaccctt taggaagatt 180
actggctggt tatagaaggc ccgtgtatat cctatgaaga angctggctc tcaacttccc 240
ccccagcctt ttaaaagaaa acatttgcta catcgagccg ttctaggtgt aaagagggtg 300
ttgacttatg atagagttag aaaatcacac atccttgtaa attnccatt tggtttaaaa 360
aaaaaaaaaa aaaactcgag gggggggccc gggtagccaa tttgncccta aaagggagnc 420
ggnattanaa ttcactggcc ggcgntttta 450

<210> 619
<211> 294
<212> DNA
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tnccagccct ggctcaactc tgaagaagga tcttgctaca gaaggagccc ttgggctccc 180
tttctctttg gatagcagtt ataaatgccc ttgttcccaa taaaactggg cagatgggaa 240
aaaaaaaaaa aaaaaaaaaa aaaaaacccc ggggggggnc ccngncccn tttg 294

<210> 620
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<212> DNA
<213> Homo sapiens

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ctgggtgatcg ggggcggctc gggcgggctn gccancgtng tggagagcca caagctnggt 120
ggcantt 127

<210> 621
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<212> DNA
<213> Homo sapiens

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ccaacccagc ccagctcagc tcagcncagc ccagctcagc tcagctcagc nnagn 115

<210> 622
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<212> DNA
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ctcctccatc cttcattctt caccctccat tggatcctca agttttaatg aattccaatt 180
atacctttaca tcagcaagtt aaaaaaagta ctttaaaata aagcaaaggg agactggtgc 240
tcaaccatca ggaaacagtt gtcagaagac atcattgggt ctgtgtttcc tacggaaatn 300
agaaacgata aatattgcac tgaatgtttg tggtttgag tccctgaata ataaagangc 360
aatatatttg cagaaagtcn catagggttt tttaatgcag aattttgtca gaagacaatg 420
gcgctgcatg tttttctttg aattgcaaatt nttcattgct aaagantttt tttaagatgg 480
gcatnttgct ttgaaaaaga aanatt 507
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<210> 623

<211> 340

<212> DNA

<213> Homo sapiens

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gcaaattact tctaaagaat catcagtgtg tagattagaa gtgctcatta cctgcaactt 120
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